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62.27 35TH ANNUAL CATALOGUE 1905

IOWA SEED CO.

DES MOINES
IOWA, U.S.A.

IMPROVED AMERICAN FLAG

GOLD
STANDARD

McKINLEY DAY
COLLECTION
5 CARNATIONS
FOR
50 cts.

PROSPERITY

McKINLEY

ROOSEVELT

SEEDSMEN TO THE AMERICAN PEOPLE

ONLY ONE
THE BEST
QUALITY

VARIEGATED BOSTON IVY
25 cts.

McKinley Day Collection Of Carnations.



ROOSEVELT AND PROSPERITY CARNATIONS.

One of the most beautiful customs which has ever been established is the observance of a memorial day for our beloved martyred president Wm. McKinley. If you are in any large city on this day September 14, it seems as though practically everyone was wearing a carnation, President McKinley's favorite flower. It is such a charming custom that its observance seems to be growing rapidly everywhere. Laboring men as well as business and professional men, shop girls as well as stylishly dressed ladies all have a carnation pinned to their dresses or coats on that day. Carnations vie with roses in beauty, rich color and delicate tints. Instead of being difficult to grow as is usually supposed they are of easy culture and bloom freely both in summer and winter. We are pleased to offer this year five of the finest varieties ever sent out. They are illustrated on the front cover of this book, but the artist could not do them justice. We have made a low price for these novelties so that all can have them. No matter where you live or what your politics are don't fail to grow the McKinley Day carnations this year. Five plants for 50 cts.

McKINLEY.—A large, beautiful flower with smooth petals arranged to perfection. Color clear beautiful shining pink very showy and attractive either for wearing or for vases. Plant is of low, but strong vigorous growth throwing up stiff stems of medium length which support the large flowers gracefully. Blooms early and constantly and the flowers are of fine spicy fragrance. Each 15c.

ROOSEVELT.—One of the richest, deep velvety crimson flowers ever sent out. The color is so deep that it shades into maroon. Plant is a vigorous, healthy grower, free from any disease whatever. Flower of beautiful form; made up of a great number of petals into a full round flower. It is one of the most perfect dark colored carnations ever sent out and is of such good shape and color that it is sure to be popular. Each 15c.

GOLD STANDARD, or Golden Beauty.—A novelty and by far the best yellow carnation ever sent out. Flowers are extra large, three inches in diameter, well filled and double to the center. They are borne on long stems, thus making them of greater value. Color is a beautiful clear lemon yellow slightly tipped with pink. Very fragrant. Plant is a strong vigorous grower and good bloomer. Each 15c.

IMPROVED AMERICAN FLAG.—The old American Flag was always popular but it was not as vigorous and free blooming as might be desired. This improved sort is of very strong robust growth, a profuse bloomer, bearing its large flowers almost continuously. The showy flowers are pure white elegantly striped with bright scarlet. We consider it the most showy of all the fancy flowered carnations. Delightfully fragrant. Each 10c.

PROSPERITY.—Unquestionably the largest carnation of any color ever before offered, the flowers measuring 4 inches in diameter. The flowers are full and double and have a delightful clove fragrance. The color is a pure white ground, overlaid with shadings of soft pink, reminding one of the beautiful bluffs seen in Azaleas and Rhododendrons. This may well be called the "American Beauty," among carnations, commanding a higher price in the cut flower market than any other variety. In habit and growth it is ideal. A continuous all-season bloomer. Each 20c.

One plant each of the above five Carnation Novelties for only 50 cts.

Variegated Boston Ivy.

A novelty of superior merit which is a sport from *Ampelopsis Velutina*, or Boston Ivy. The leaves are handsomely variegated dark green with pure white, and the young leaves and stems are red, thus making it quite atractive. It is of special value for window boxes, but has also proved just as hardy as the ordinary variety for growing in the open ground. The variegation of the leaves is especially showy during the summer season. It is a handsome vine which our customers will be pleased with. Each 25 cts.

About Ourselves.

The first question which comes to the mind of the prospective buyer about any seed house is "are they reliable?" Almost everyone in Iowa who uses seeds knows the Iowa Seed Company and our Choice Iowa Seeds are sown in every neighborhood in the state, but as this catalogue goes to many in all parts of the world who have not dealt with us, a few words about our business may help us to become better acquainted. This business was established in 1870—thirty-four years ago—and it has grown until now it occupies a very prominent place in the seed trade of the country.

The business has been under the same management for many years past, the present manager having been connected with the company for twenty seven years. During all this time we have been constantly in close touch with the farmers and gardeners, and know what will prove the most satisfactory in the various localities. Success in the seed trade depends almost entirely on the confidence of the people, and our customers have learned that they can rely implicitly on us. What more can you ask? Please give us a trial order this year and test the superior merits of our Choice Iowa Seeds.

Our Establishments.

This business has now reached such proportions and is so diversified that it is impossible to conduct it all under one roof, and the accompanying illustrations will help you appreciate our efforts in building up one of the most substantial business enterprises in the world today.

THE IOWA SEED STORE is so well known in Des Moines that it would be difficult to find even a child in this city of 100,000 inhabitants who does not know its location. It occupies the large building at 612-615 Locust Street within three or four blocks of the postoffice, express offices and principal railroad passenger stations. The large store room is full of interest to everyone who has a farm or garden, or who loves flowers. Here are also located the offices and correspondence department. During our busy season last spring we received 2,000 to 5,000 letters every day, and it required seventeen typewriters to answer the correspondence. We are always glad to have our customers call and examine our stock and manner of doing business. We have no secrets and freely invite everyone to inspect all departments.

24 NEW GREENHOUSES erected during the past three years are devoted exclusively to growing plants for the mail order trade, they contain a greater variety of plants than any other greenhouse in the west. Hundreds of plant orders are filled daily during the busy season; small plant orders can be mailed direct from the branch postoffice nearby. They are located on a 48-acre tract of ground about two miles from the store, convenient to the electric car line and fronting on Kingman Boulevard, one of the finest driving streets in the city. Here we devote fully twenty acres to flowers, making the finest display to be found in any part of the west.

THE WAREHOUSE on South Fifth street we have occupied for many years for storage purposes only. Large lots of seeds which come in after harvest, are thoroughly cleaned and then put away in this building and held in readiness for the spring trade.

MAIL ORDER BUILDING.—Our trade has increased so constantly that in 1900 we were compelled to look for larger quarters and we purchased the ground at 208, 210, 212 South Eighth St. about six blocks from the store, and erected thereon a large building specially arranged to accommodate our trade. The railway tracks beside the building give us unexcelled facilities for handling carload lots, and we are centrally located between the various freight depots, so that small shipments can be made promptly. Our machinery is operated by four electric motors, and we claim that our mills for cleaning seeds cannot be surpassed. We can readily fill 3,000 to 4,000 orders per day in this building, and they are handled in such a careful way that errors seldom occur. Most of our employees have been with us many years and appreciate the importance of each order, no matter whether small or large, and no "green hands" are permitted to handle seeds in bulk.



SEED FARMS.—It requires the seed crop from about 8,600 acres to supply our trade and the farms are widely isolated so as to avoid any danger of mixtures. Some seeds cannot be grown to advantage here, and we contract with practical seed growers in other states and a few in Europe to grow for us. For instance, we pay our growers in Denmark about three times as much for cauliflower seed as it would cost to have it grown in this country, but it is much superior.

1870

1905

Thirtyfive Years Successful Business!

Des Moines, Iowa, January, 1905.

To our Friends and Patrons:

It is a pleasure to again greet our many friends at the beginning of the new year, and we extend to you our sincere wishes for a most Happy New Year. May success and prosperity attend you, and good health be ever present. Most heartily do we thank you for the past seasons trade, and we feel that while you have helped us by a liberal patronage, we also have tried to assist you to have a prosperous farm, a successful garden, beautiful flowers and a handsome lawn. For thirty-five years we have been growing and distributing our **Choice Iowa Seeds** to every part of the country. Thirty-five years is a long time and it has been a record of almost constant growth from a small beginning until now our mail order trade is the largest of any in this line west of the Mississippi, and the second in magnitude west of Philadelphia. There must be some good reason for this and it lies in the fact that our **Choice Iowa Seeds** are unsurpassed, that our prices are right and that we please and satisfy our customers.

More than ever are we determined this year to give each customer the best seeds that they have ever had and to fill their orders promptly and well realizing that in the past our promptness and care in filling orders has made many friends. It is our highest ambition to merit the title which has so often been applied to us, namely:

"SEEDSMEN TO THE AMERICAN PEOPLE."

Read What Prominent Men Say.

They are a proof of merit. Such testimonials cannot be bought.

"I have bought seeds of you for several years past and have found them very satisfactory. I have used them on my own farm and also sold them to others and have had no complaints. Have also purchased some from other firms, but could not depend on them as on yours." R. J. Johnson, Humboldt, Iowa, President Iowa State Agricultural Society.

"I am pleased to state that all seeds, both garden and field, that I have bought of your firm during the past twelve years have been perfectly satisfactory, and I am always pleased to recommend the Iowa Seed Company to any and all who are in need of anything in their line." M. J. Wragg, Waukegan, Iowa, President Iowa State Horticultural Society.

In spite of the unfavorable season in many localities for maturing the seed crops, our crops have with very few exceptions been harvested in excellent condition, and are of superior quality.

We grow our own seeds, either on our own place or have them grown from carefully selected stock seeds, and it requires the entire seed crop from about 8,600 acres to supply our trade. The soil and climate of Iowa are specially adapted to growing and maturing most seed crops, still there are some varieties which will produce better seed in other localities, and we spend a large part of the summer and fall in travelling around among our growers inspecting the growing crop.

Again thanking you for past favors, respectfully soliciting a continuance of your patronage, and wishing you a happy and prosperous New Year, we remain,

Your friends,

IOWA SEED COMPANY.

M. KURTZWEIL, President.

CHAS. N. PAGE, Treasurer and Manager.

Kind Words From Old Friends.

Very few Seed Dealers can equal this record.

I have bought seeds every year from your company since 1871, after Mr. Fuller started the business at Des Moines; have always found your seeds good.—W. S. Maxwell, Lawndale, Tex.

I have been a customer of the Iowa Seed Co. since 1875 and always intend to be so long as they prove as satisfactory as in the past. Both they and their seeds are reliable.—J. C. Jessup, Fairmount, Indiana.

This is my 25th year getting seeds from your firm and they are all O. K. We are back in "Peerless Old Iowa," again after four years in California and eight years in Arkansas.—Bryant Graves, Lenox, Iowa.

SUGGESTIONS TO CUSTOMERS.

ORDER EARLY.—The best time to order is just as soon as you receive this catalogue, as we can always give your orders more of our personal attention if they come in before the rush of the spring trade. Please use the order sheet as it makes it more convenient for us in filling orders. Terms are invariably cash with order as we keep no book accounts in our mail order department, and the expense of sending goods C. O. D. is quite large. Postage stamps received as cash.

SHIPPING.—There are five express companies and fifteen railroad lines at Des Moines, so that quick shipments can be made to any town in the United States. It is well to remember that express charges are usually much higher on heavy goods, and you should order them sent by fast freight.

CHARGES PREPAID.—All Vegetable and Flower Seeds, Bulbs and Plants, except those noted, are sent prepaid by mail or express by the quickest and most direct routes unless ordered otherwise, and we guarantee their safe arrival. Seeds sold by the peck or bushel, field seeds, potatoes, implements and other heavy goods are sent by freight or express, purchaser paying charges.

OUR PRICES.—Our constant aim is to make the highest quality the first consideration, and next to put our prices as low as good reliable seed can be sold.

DISCOUNTS.—On all orders for seeds in packets the purchaser may select twenty-five cents worth extra for each one dollar sent us. This refers only to seeds in packets, not in bulk. Each year we put up thousands of packets of seeds for free distribution among our customers, by adding liberally of them to orders. We will allow you a discount of ten cents per pound on vegetable seeds, such as are listed as prepaid, if you are willing to have them sent by express or freight at your expense.

SMALL ORDERS.—If you only want a single packet, do not hesitate to send for it. We take as much pains to fill small orders promptly and correctly as we do large ones. Orders for Flower Plants and Nursery Stock, however, must amount to at least fifty cents.

PLANT ORDERS.—Orders for plants will be filled as early in spring as we consider it safe to send them. If ordered for immediate shipment in severe weather they will be sent at purchaser's risk.

WHAT WE GUARANTEE.—That all money sent us for seed shall reach us if sent by registered letter, P. O. or express money order, or bank draft, made payable to our order. That your order will be filled promptly and well. That goods ordered will reach you safely. Keep a copy of your order. Sometimes persons think they have ordered articles which they have omitted, and blame us for not sending them.

OUR RESPONSIBILITY.—As this book will probably go into the hands of many who are unacquainted with us, this question will naturally arise, and in answer to same we refer you, by permission, to the Valley National Bank, or Century Savings Bank, of this city, to the postmaster, or to any of the various express companies.

ABOUT WARRANTING.—We thoroughly test all our seeds and nothing is sent out which we do not believe to be good in every respect. When it is considered how many are the contingencies on which the success of any crop depends, such as sowing too deep or too shallow, too wet or dry soil, unfavorable weather, insects, etc., our customers will readily see that it would be sheer folly for anyone to warrant them to produce a perfect crop, and we want it plainly understood that while we exercise great care to have all seeds pure and reliable, and also true to name, we do not give any warranty, express or implied. If the purchaser does not accept the seeds on these terms and conditions, they are to be returned at once, and the money that has been paid for same will be refunded. No officer, agent or employee of this company is authorized to make any warranty whatsoever. However, we have so much confidence in our seeds that we hereby agree to refill any retail order for vegetable or flower seeds free of charge should they prove otherwise than as we represent them. We know of no responsible seed firm in the world which guarantees seeds any further than this. Compare with other seed catalogues and you will find that we are right.

MARKET GARDENERS and others who buy vegetable seeds in bulk to the amount of \$5.00 or more, are requested to send for our Market Gardeners' Price List. This list for market gardeners is intended only for large buyers, and is exclusively for those who order vegetable seeds alone by weight or measure amounting to \$5.00 or over. Club orders which call for this amount of bulk seeds altogether are entitled to these prices.

PREPAID RAILROAD STATIONS.—Many of our former customers live at Prepaid Railroad Stations where there are no agents. In such cases we must request them to send sufficient money to prepay freight charges on heavy shipments, also in cases where perishable or other goods are ordered to be sent by freight or express to such great distances that cost of transportation will nearly or quite equal the value of goods.

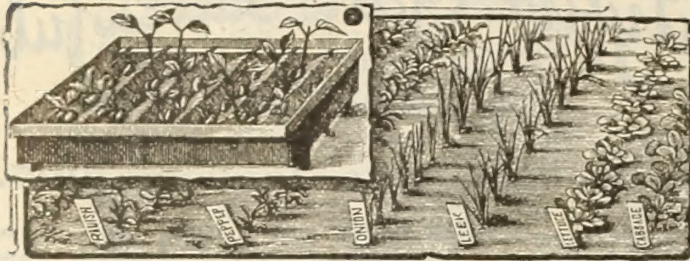
OUR GERMAN FRIENDS will be pleased to notice that we also issue a catalogue in the German language, and we will take pleasure in sending a copy free on request. Tell your German neighbors about it.

Unsere deutschen Freunde bitte bittet zur Nachricht, daß wir auch Samen-Kataloge in deutscher Sprache drucken. Viele unserer Landsleute geben der Muttersprache den Vorzug und verlangen wir diese Kataloge frei an alle, die das rum anfragen. Bitte senden Sie uns die Adressen Ihrer deutschen Nachbarn, damit diese den besten deutschen Katalog in Amerika erhalten.

FOREIGN ORDERS.—Our trade with European countries, Australia, New Zealand, South Africa, the West Indies and other foreign countries, is increasing constantly, and while it is still somewhat expensive and slow to send large shipments by freight, small lots can be sent by mail quite easily. We are willing to prepay the postage on all vegetable and flower seeds offered by the packet or ounce, at the prices named in this catalogue, to Canada, Mexico, all parts of Europe, and all countries of the Postal Union. Not more than 12 ounces can be sent in each package.

WE ARE PLEASED TO RECEIVE SAMPLES OF NEW, RARE OR SUPERIOR SEEDS YOU MAY SEND US FOR TRIAL

VEGETABLE SEEDS.



SEED TESTING AND TRIALS.

A CHOICE LIST OF THE BEST NOVELTIES ARE DESCRIBED ON THE COLORED PAGES IN THE CENTER OF THIS BOOK.

ASPARAGUS.

One ounce will sow forty feet of drill.

Asparagus is so easily grown and such a large quantity is produced on a small amount of ground that every garden should contain a bed. A bed ten feet square, requiring 50 plants, will give an abundant supply for any ordinary family. Soak the seed 24 hours in tepid water; sow early in spring, in rows a foot apart; keep clean by frequent weeding and hoeing. Ask for circular giving instructions for making an asparagus bed.

COLUMBIAN MAMMOTH WHITE.—A new and entirely distinct variety, that produces shoots which are white and stay white as long as it for use. It is more robust and vigorous in habit and throws up larger shoots and fully as many of them as Conover's Colossal, and requires no earthing up in order to furnish the white shoots so much sought after. Per pkt. 5c, oz. 10c, $\frac{1}{4}$ lb. 25c, lb. 75c.

PALMETTO.—Stalks frequently measure two inches in diameter, and, even when twelve inches long, are perfectly tender when cooked. Per Pkt. 5c, oz. 10c, $\frac{1}{4}$ lb. 20c, lb. 60c.

CONOVER'S COLOSSAL.—The standard variety. Pkt. 5c, oz. 10c, $\frac{1}{4}$ lb. 15c, lb. 40c.

ASPARAGUS ROOTS.—We can furnish strong roots of either the Palmetto or Conover's Colossal at 35c per dozen; \$1.25 per 100. Columbian Mammoth White 40c per dozen; \$.50 per 100 postpaid. Ask for price in quantity.



LARGE GREEN GLOBE ARTICHOKE.

ARTICHOKE.

This vegetable is a great delicacy, highly valued in all parts of Europe, and also one of the most prominent table vegetables in California and other parts of this country. It is a perennial producing the large flower heads, which are the part eaten the second season and every year thereafter. Sow seed early in hoedbeds or boxes in the house, and when weather becomes settled transplant in rows four feet apart and two feet apart in the row. When started early it sometimes blooms the first year.

LARGE GREEN GLOBE.—The best variety for general use; buds large; scales green, very thick and fleshy. Pkt. 10c, oz. 35c, $\frac{1}{4}$ lb. \$1.00.

ARTICHOKE ROOTS.—These are an entirely different plant from the above and used mainly for stock food. See description in Farm Seed Department. Per lb. 25c, 3 lbs. 60c, postpaid. By freight pk. 40c, bu. \$1.25.

BROCCOLI.

One ounce will produce about 3,000 plants. Growth and habit like the Cauliflower, except that it is more hardy, and the heads are not as compact. Cultivate the same as Cauliflower.

EARLY PURPLE CAPE.—A popular sort; heads well and is very hardy. Pkt. 5c, oz. 35c.

EARLY LARGE WHITE.—Pkt. 5c, oz. 25c.

CURLED CHERVIL.

One ounce will sow 100 feet of drill. Leaves used in soups and salads. They have a pleasant aromatic taste which is greatly liked. Cultivate like parsley. Pkt. 5c, oz. 15c, $\frac{1}{4}$ lb. 40c.

CORN SALAD.

One ounce will sow about 20 square feet. A nice winter salad. Sow in September in drills. Just before cold weather cover with straw or leaves. Per pkt. 5c, oz. 10c, $\frac{1}{4}$ lb. 30c.

CHICKORY.

One ounce will sow about 15 square feet. **LARGE ROOTED.**—Used as a substitute for coffee. Cultivate the same as carrots. Take up the roots in the fall, cut into small pieces and put away to dry. When wanted for use, it is roasted and ground like coffee. Pkt. 5c, oz. 10c, $\frac{1}{4}$ lb. 25c, lb. 75c.

ENDIVE.

One ounce will sow about 60 square feet. Preferred to lettuce by those who have tried it. Should be more largely used. One of the best and most wholesome salads for fall and winter use. When leaves are eight inches long tie them together with string near the top to blanch.

GREEN CURLED.—Pkt. 5c, oz. 15c, $\frac{1}{4}$ lb. 40c, lb. \$1.25.

GIANT FRINGED.—A handsome winter sort of fine quality. Pkt. 10c, oz. 30c, $\frac{1}{4}$ lb. \$1.00.



BRUSSELS SPROUTS.

BRUSSELS SPROUTS.

One ounce will produce about 8,000 plants. Of the cabbage family, producing numerous heads on the stem of most delicious quality, as well as a cabbage-like head at the top. Use and cultivate same as winter cabbage.

AMERICAN MAMMOTH.—A new and greatly superior variety of American growth which forms heads ready for picking about three weeks earlier than other varieties. It has the additional merit of making stronger plants and more heads. A profitable crop for market gardeners. Pkt. 5c, oz. 30c, $\frac{1}{4}$ lb. \$1.00.

ENGLISH.—Pkt. 5c, oz. 15c, $\frac{1}{4}$ lb. 40c.

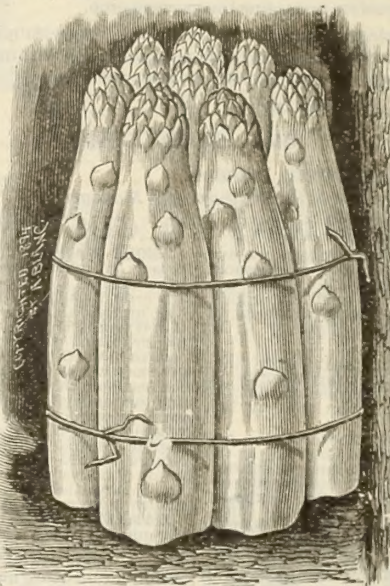
BORECOLE, or KALE.

One ounce will produce about 8,000 plants. A hardier vegetable than cabbage; excellent for greens during winter and spring; splendid winter food for poultry. Cultivate like cabbage.

EXTRA CURLED MOSBACH.—Fine crimped leaves; light green; admirable for garnishing. Best cooking. Pkt. 5c, oz. 10c, $\frac{1}{4}$ lb. 40c, lb. \$1.25.

DWARF GERMAN GREEN.—Popular. Pkt. 5c, oz. 10c, $\frac{1}{4}$ lb. 25c, lb. 75c.

THOUSAND HEADED.—Grown mainly for forage. See description elsewhere. Pkt. 5c, oz. 10c, $\frac{1}{4}$ lb. 20c, lb. 65c.



COLUMBIAN MAMMOTH ASPARAGUS.



EXTRA CURLED MOSBACH KALE.

SET OUT A BED OF ASPARAGUS THIS YEAR AND HAVE IT FRESH DAILY.

BEANS.

Dwarf Bush Varieties.

One quart will sow 100 feet of drill.

Dwarf or bush beans require no support and should be planted in drills an inch and a half deep and drop the beans three inches apart in the drills. Beans are tender annuals, and cannot be planted until danger of frost is past. A sandy loam is the best. The half pint packages will be found very desirable for small families. We furnish plants at one half the quart price. Packages contain about two ounces. Price includes postage except at peck and half peck rates. Deduct 1c from quart rate if to be shipped by express. All varieties of beans are scarce owing to crop failure in many sections.

ERFURT EARLY PROLIFIC BROAD—See novelties; p. r packet, 10c; ½ pint, 20c; quarts, 65c.

IMPROVED EARLY VALENTINE.—About ten days earlier than the common Early Valentine. In addition to this it is more robust and vigorous, and produces the true, round, curved pods very abundantly. Unexcelled in quality and uniformity of ripening, nearly the whole crop can be taken at one picking, usually within 35 days after planting. Pkt. 5c; ½ pt. 15c; qt. 45c; by express or freight, ½ peck, 85c; peck \$1.50.

EARLY MOHAWK.—Early early and will stand more cold than most bush varieties. Vines large and stout with very large coarse leaves; will stand a slight frost. This variety is largely grown in the southern states for northern markets. Pods are from 5 to 6 inches long; the seeds, when ripe are drab color with purple spots. Pkt. 5c; ½ pt. 15c; qt. 45c. By express, ½ peck, 80c; peck, \$1.40.

STRINGLESS GREEN POD BUSH.—The only stringless green pod bush bean in cultivation. Consequently it surpasses all others in crisp, tender flavor. The finely shaped, long, green pods are absolutely stringless, and are ready to market two weeks earlier than the Valentines. It is of immense value not only to the market gardener but also to the amateur who seeks a rare quality early for the home table. Pkt. 5c; ½ pint 15c; quart 50c; by express, ½ pk. \$1.10; pk. \$2.10.

EARLY MOHAWK.



IMPROVED VALENTINE

IMPROVED GOLDEN WAX

—In spite of all the new sorts of beans being introduced every year, our trade calls for more Golden Wax than any other variety. This great popularity is due largely to the fact that the variety we have is a great improvement on the old Golden Wax, having larger pods and being more prolific. This Improved stock is one of the handsomest beans we have ever seen; the pods being of dark, rich golden yellow color and of perfect shape. For family or market you make no mistake in planting them. Pkt. 5c; ½ pt. 15c; qt. 50c; by express, ½ pk. \$1.10; pk. \$2.00.

EARLY REFUGEE, or THOUSAND TO ONE.—Most prolific green podded sort, thick and fleshy. Pkt. 5c; ½ pt. 15c; quart 45c; by express, ½ peck, 85c; peck, \$1.50.

LONG YELLOW SIX WEEKS.—Very early and prolific; long, green, tender flat pods; matures quickly. Pkt. 5c; ½ pt. 15c; qt. 45c; by express, ½ peck 75c; peck \$1.35.

DAVIS WHITE WAX.—A new white, rustless, productive, wax-podded bean; pods flat, very long, white, straight and handsome; seeds clear white; excels all others in hardiness and productiveness. Valuable for market gardeners' and canners' use. Pkt. 5c; ½ pt. 15c; quart 60c; by express, ½ peck, \$1.25; peck \$2.25.

HENDERSON'S BUSH LIMA.—Grows in compact bush form, producing enormous crops of delicious Lima beans which can be as easily gathered as the common garden bush bean; is at least two weeks earlier than any of the climbing Limas; produces a continuous crop from the middle of July until frost. Enormously productive. Pkt. 5c; ½ pt. 15c; qt. 60c; by express, ½ pk. \$1.25; pk. \$2.25.

WARDWELL'S KIDNEY WAX.—One of the earliest, hardest and most productive of all Wax Beans; a week earlier than the Golden Wax, yields one-third more, and almost free from rust and spots. Pkt. 5c; ½ pt. 15c; qt. 65c; by express, ½ pk. \$1.50; pk. \$2.75.

LARGE WHITE MARROW.—Excellent as a shelled bean. The beans are ivory white and double as large as the Navy. Pkt. 5c; ½ pt. 15c; qt. 45c; by exp. ½ pk. 75c; pk. \$1.35.

CHINESE SAGO BEANS.—A very small variety from China, which is quite a curiosity. See description with novelties. Pkt. 10c.



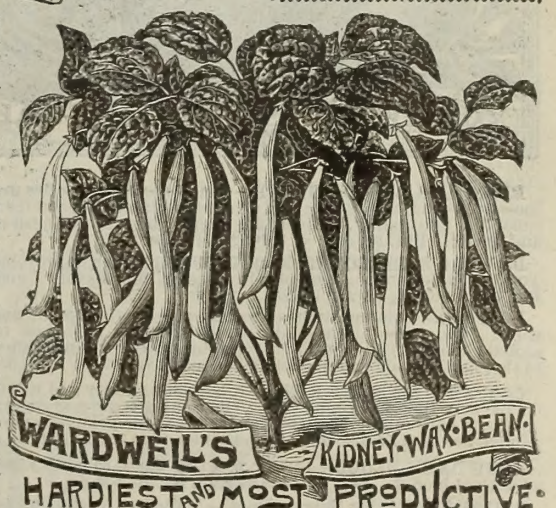
BURPEE'S BUSH LIMA.—A dwarf bush form of the true large Lima which is of great value. They are of bush form, growing to 20 inches high, of stout erect growth, yet branching and vigorous. An immense yielder. Does not always mature dry shelled beans in this latitude, but you are sure of a good crop of green ones. Pkt. 5c; ½ pt. 20c; qt. 60c; by express, ½ pk. \$1.25; pk. \$2.25.

CHALLENGE BLACK WAX.—Earlier, more productive and of better quality than the old Black Wax. Pods tender, round, fleshy and stringless. Pkt. 5c; ½ pt. 15c; qt. 50c; by express, ½ pk. \$1.10; pk. \$2.00.

CALIFORNIA BRANCH, or PROLIFIC TREE.—This is quite a valuable variety for field culture. Grows about 20 inches high, has stiff, upright branches and bears immensely, sometimes yielding 45 bu. per acre. The beans closely resemble White Navy. Pkt. 5c; ½ pt. 12c; qt. 35c; by express, ½ pk. 70c; pk. \$1.25.

REMEMBER—

That we prepay the postage at the quart rates.



THE IMPROVED NAVY BEANS LISTED WITH FARM SEEDS ARE A PROFITABLE CROP FOR FARMERS.

POLE BEANS.

Plant from five to six seeds in each hill, about two inches deep; one quart will plant 100 to 150 hills.



GOLDEN CLUSTER WAX.

MAMMOTH HORTICULTURAL POLE.—Of the highest quality as a shell bean, either green or dry. Pods very large, bright carmine, lightly streaked very handsome and exceedingly productive. Deserves more general planting. The mammoth pods are striped and splashed with exceedingly brilliant crimson. The beans when fit for use are of immense size. Pkt. 5c, $\frac{1}{2}$ pt. 20c, qt. 60c; by express, $\frac{1}{2}$ pk. \$1.25, pk. \$2.25.

WHITE DUTCH CASE KNIFE.—Yields an immense crop of handsome flat white beans of excellent flavor. Cook easily. Pkt. 5c, $\frac{1}{2}$ pt. 15c, qt. 50c; by express, $\frac{1}{2}$ pk. \$1.10, pk. \$2.00.

SCARLET RUNNER.—Valuable for table use or as an ornamental vine. Pkt. 5c, $\frac{1}{2}$ pt. 20c, qt. 60c; by express, $\frac{1}{2}$ pk. \$1.25, pk. \$2.25.

GOLDEN CLUSTER WAX.—In our tests this has proved to be the best of all wax pole beans. It bears profusely its long golden-yellow pods in clusters of three to six from bottom to top of pole, and continues in bearing from the middle of July till the vines are cut by frost. Pods are seven to eight inches long and three-fourths of an inch in width. Although the pods are quite flat they are fleshy, absolutely stringless and very brittle, while their flavor is delicious. Pkt. 5c, $\frac{1}{2}$ pt. 20c, qt. 60c; by express $\frac{1}{2}$ pk. \$1.25, pk. \$2.25.

OLD HOMESTEAD.—Enormously productive, the pods hanging in great clusters from top to bottom of pole. It is entirely stringless and the pods are of a silvery green color, and cook tender and melting. Can be grown with corn to good advantage. Pkt. 5c, $\frac{1}{2}$ pt. 15c, qt. 50c; by express, $\frac{1}{2}$ pk. \$1.10, pk. \$2.00.

LAZY WIFE.—The most popular pole bean and we presume it derived its name from its immense productiveness, and from the ease with which they are cooked. The pods, of medium dark-green color, are produced in great abundance, and measure from $4\frac{1}{2}$ to 6 inches in length. The pods ret in their rich, tender and stringless qualities until nearly ripe. The white beans make excellent winter shell beans. Pkt. 5c, $\frac{1}{2}$ pt. 20c, qt. 60c; by express, $\frac{1}{2}$ pk. \$1.25, pk. \$2.25.

CUT SHORTS.—The old-fashioned corn field bean, so popular and often so difficult to obtain. Pkt. 5c, $\frac{1}{2}$ pt. 15c, qt. 45c; by express, $\frac{1}{2}$ pk. 90c, pk. \$1.60.



KING OF THE GARDEN LIMA.—An improvement on Large White Lima, and the finest stock for market gardeners. When not closely planted they set their pods early at the bottom of the pole, producing a continuous bloom and fruitage to the end of the season. Pods of enormous size. Pkt. 5c, $\frac{1}{2}$ pt. 15c, qt. 50c, by express, $\frac{1}{2}$ pk. \$1.10, pk. \$2.00.

YARD LONG.—Produces pods 18 inches long. Pkt. 10c.

BEETS.

One ounce sows 50 feet of drill. Four to six pounds for one acre. For early sow as soon as ground can be worked, and about the middle of May for general crop, in drills fifteen inches apart and one and a half inches deep. As the plants grow, thin to six inches in drills. The young plants make excellent greens. The seed will germinate more freely if soaked in warm water twenty-four hours before sowing; but care should be taken not to plant soaked seed in very dry ground. The soil should be a deep, rich loam.

MARKET GARDENER'S.—The best and most profitable table variety. See description with novelties. Pkt. 5c, oz. 10c, $\frac{1}{4}$ lb. 25c, lb. 75c.

EARLY CRIMSON GLOBE.—A very early variety, generally of spherical form. Skin very smooth and it is as handsome a beet as you can imagine. It is of a rich, deep red color shading to purple. Cooks readily, is very fine grained, and flavor cannot be surpassed. When cooked it is of even, dark color throughout and is attractive when on the table. Of uniform shape and size, desirable for selling in bulk in the fall as well as for bunching. Pkt. 5c, oz. 10c, $\frac{1}{4}$ lb. 25c, lb. 75c.

CROSBY'S IMPROVED EGYPTIAN.—We believe this to be the earliest variety in existence. It was originated by Josiah Crosby, a market gardener for the Boston market, and is a great improvement on the old Egyptian, being thicker, handsomer and more regular in shape, smooth, with very small tops and small tap root. It is of perfect shape when small, thus making a good beet for bunching, and is very popular with the Des Moines market gardeners for this purpose. Pkt. 5c, oz. 10c, $\frac{1}{4}$ lb. 25c, lb. 75c.



EDMUND'S BLOOD TURNIP.—One of the best varieties grown for main crop. The roots are round, very smooth, of good marketable size, and for table use no variety can excel it in fine quality. The skin is deep blood red; the flesh is also dark red and sweet and tender. Pkt. 5c, oz. 10c, $\frac{1}{4}$ lb. 20c, lb. 60c.

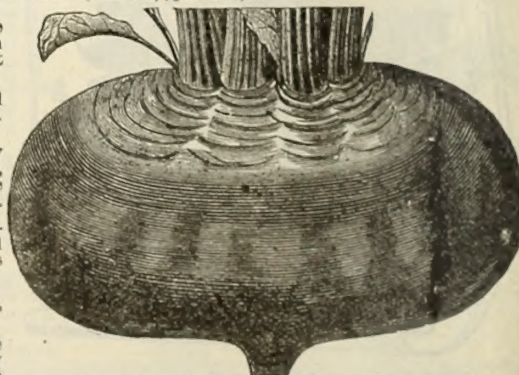
DEWING'S IMPROVED BLOOD TURNIP.—An improvement on the old Early Blood Turnip. Globe-shape, deep blood-red color, fine flavor, a good keeper for main crop. Pkt. 5c, oz. 10c, $\frac{1}{4}$ lb. 20c, lb. 50c.

ECLIPSE.—This variety has become exceedingly popular and is one of the best early sorts. It possesses all the qualities requisite in a first-class beet, and is of a uniform, globular shape. The roots are of a bright glossy red, fine grained and delicious with none of that earth flavor so objectionable in many varieties. Pkt. 5c, oz. 10c, $\frac{1}{4}$ lb. 20c, lb. 60c.

COOPER'S MARKET KING.—A half long variety and will therefore yield more bushels per acre than any round sort. The roots are very symmetrical and of fine dark red color and very solid. Flesh is also dark red, fine grained and of excellent quality. It is a quick grower and also one of the best keeping sorts. Pkt. 5c, oz. 10c, $\frac{1}{4}$ lb. 20c, lb. 65c.

LONG DARK BLOOD.—Our stock of this standard variety is greatly improved, smooth, sweet and tender. Pkt. 5c, oz. 10c, $\frac{1}{4}$ lb. 20c, lb. 50c.

SWISS CHARD, or Silver Beet.—A distinct vegetable and much superior to the common beet for greens, which are produced soon after planting. Later the leaves grow very large, with broad, flat, beautiful white, wax-like stems and midribs, which may be cooked like asparagus. Pkt. 5c, oz. 10c, $\frac{1}{4}$ lb. 25c, lb. 75c.



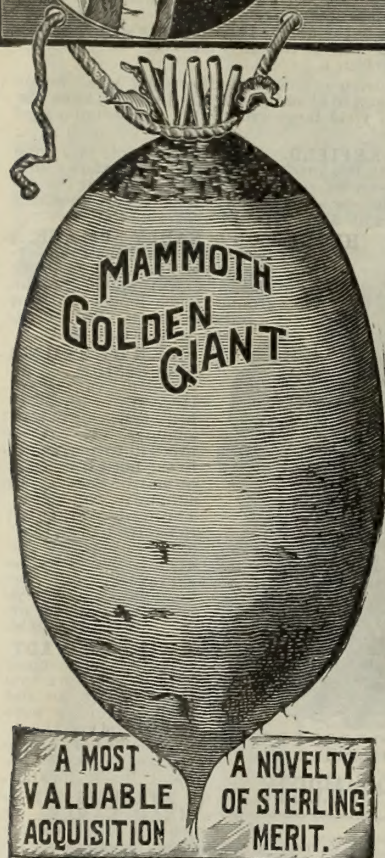
CROSBY'S IMPROVED EGYPTIAN.

REMEMBER THAT WE PREPAY THE POSTAGE ON BEANS AT THE QUART RATE.

MANGEL & SUGAR BEETS FOR STOCK.



EXTENSIVELY grown in all parts of the country for feeding stock. Sow in April or May in drills three feet apart, and thin to ten inches in the row. If your soil is deep and mellow, try the long varieties; if shallow the round kinds will do better. No crop pays the farmer and stockraiser better than mangels; 1,000 bushels to the acre is an ordinary yield, while, with good culture, 2,339 bushels have been grown to this amount of ground. It costs, counting labor, use of ground and everything, less than \$50 to raise an acre of mangels and gather and store them. This, for an ordinary yield, is a cost of only five cents per bushel. They make the cheapest of foods for all kinds of live stock—horses, cattle, sheep, pigs, chickens, etc. Easily grown, and they help to keep stock in good condition and free from disease. Dairymen claim that a bushel of mangels and a bushel of corn are worth more than two bushels of corn. Full directions for culture and storing mangels, will be sent on application. Use five pounds of seed to an acre.



Klein-Wanzleben
SUGAR BEET.



COLLECTION —OF— MANGELS.

One ounce each of the nine varieties of Mangels and Sugar Beets for 40c. $\frac{1}{4}$ lb. of each \$1.00, 1 lb. of each \$3.00, postpaid, or \$2.40 by express.

MAMMOTH GOLDEN GIANT.—An improvement on the long yellow mangel, being of considerably greater size, more than half above ground and of a more grayish or rather russet yellow color. Remarkably even in shape, rather elongated, of vigorous growth; it has a fine neck and a very smooth skin. Flesh white, firm and sweet; much liked by cattle. In short a magnificent root, easily lifted from the ground, producing enormous crops. Excellent keepers; yields 40 to 60 tons per acre. Per oz. 5c, $\frac{1}{4}$ lb. 15c, lb. 45c. By express, 5 lbs. \$1.35.

CHAMPION YELLOW GLOBE.—Finest type of Yellow Globe in cultivation. Roots immense size, fine shape, small tap root, neat top. Flesh being very firm and fine grained, renders it an excellent keeping variety. Well adapted to shallow soils. Per oz. 5c, $\frac{1}{4}$ lb. 15c, lb. 40c. By express, not prepaid, 5 lbs. \$1.25.

RED GLOBE.—Like the above except color. Per oz. 5c, $\frac{1}{4}$ lb. 15c, lb. 50c. By express, 5 lbs. \$1.50.

GOLDEN TANKARD.—Best for dairy farming. Considered indispensable among English dairy farmers; it is stated by them they are able to obtain a higher price for milk when feeding cows on Golden Tankard. Sheep thrive on it. Other mangels cut white, circled with yellow, but Golden Tankard is of a rich, deep yellow throughout. Early, hardy and a heavy cropper, for on account of its shape the roots can be left standing close in rows. Per oz. 5c, $\frac{1}{4}$ lb. 15c, lb. 45c. By express, 5 lbs. \$1.25.

DANISH SUGAR BEET.—An improved strain of the White French Red Top sugar beet which is wonderfully fine for feeding to milch cows and will add greatly to the milk production as well as to its richness. It will yield as much or more than any variety of mangels, and we consider it superior to any variety of sugar beet or mangel for feeding. Pkt. 5c, oz. 10c, $\frac{1}{4}$ lb. 20c, lb. 60c. By express 5 lbs. \$2.00.

Last year I grew a Dignity Mangel which weighed 35 lbs., and they were the finest I ever raised.—Mrs. A. Hickman, Mecca, Mo.

L. C. Johnson says that he grew only half an acre of mangels last year and after selling \$20.00 worth to a neighboring dairyman he had sufficient left to feed four cows all winter.

DIGNITY LONG RED.—An improvement on the Mammoth Long Red by careful selection for a number of years. It stands head and shoulders above all other varieties of mangels; unequaled for yielding and feeding qualities. Grows to a very large size, weighing from 20 to 50 lbs., and will yield 50 tons per acre with ordinary good cultivation. Thousands of western farmers have grown our Dignity Mangel and call it the most profitable farm crop they ever tried. If you want large crops of large mangels of good quality, don't fail to try Dignity. It is very uniform, smooth and of good shape. Should be grown on deep, loose soil. Per oz. 5c, $\frac{1}{4}$ lb. 15c, lb. 35c. By express, not prepaid, 5 lbs. \$1.15.

KLEIN-WANZLEBEN.—Also called Diamond Sugar Beet. This variety is cultivated on a larger scale for the beet sugar factories than any other as it usually yields 15 to 20 per cent of sugar. Root is of shape shown in our illustration, straight, tapering evenly and somewhat screw shape. Our seed is grown in Germany from beets which were tested as to per cent of sugar before setting out. The heavy per cent of sugar makes it also of great value for feeding. Per oz. 5c, $\frac{1}{4}$ lb. 15c, lb. 35c. By express, 5 lbs. \$1.15.

GIANT HALF SUGAR MANGEL.—This new hybrid between the Mammoth Red Mangel and Sugar Beet, is of superior merit. Described with novelties. Per oz. 5c, $\frac{1}{4}$ lb. 15c, lb. 45c. By express, 5 lbs. \$1.50.

LANE'S IMPERIAL SUGAR BEET.—An improvement on the White French Sugar Beet. Recommended as hardier, more productive, yielding 35 to 40 tons to the acre. It is much larger than the above varieties and will yield more, but is not as sweet, containing only about 8 per cent of sugar. Greatly liked for stock feeding, and preferred by some to mangels. Per oz. 5c, $\frac{1}{4}$ lb. 15c, lb. 35c. By express, 5 lbs. \$1.10.

\$10.00 PRIZE We will pay \$10.00 cash for the heaviest Mangel or Sugar Beet grown from our seed this year. Report to be sent in by October 15th.

SUGAR CANE IS ONE OF THE MOST PROFITABLE CROPS FOR WINTER FORAGE.

EXTRA EARLY EXPRESS



EARLY JERSEY WAKEFIELD.—Considered by many gardeners the very best first early variety. Of large size for so early a kind and is certainly deserving of its great popularity. Heads hard and solid, and have few outside leaves. Our seed is the highest quality, American grown. Pkt. 5c, oz. 20c, $\frac{1}{4}$ lb. 70c, lb. \$2.00.

IOWA SEED CO.'S SHORT STEM DRUMHEAD.

Our improved and selected strain of this popular variety has greatly pleased thousands of our customers during the past ten years, and so greatly has it improved during the time that we have had it that in a large field it is almost impossible to find a head that is not solid and well formed. For sureness in heading, regularity of growth and even, large, solid heads, it far surpasses any other strain of late cabbage which we have seen, ripening evenly with very short stem or stalk, and large, thick heads of silky fine quality and of best keeping properties. It is almost all head and always sure to head. Pkt. 5c, oz. 20c, $\frac{1}{4}$ lb. 65c, lb. \$2.00.

PREMIUM FLAT DUTCH.

This old and well known variety is still the standard winter kind. Its heads are large and solid; also first-class as a keeper. Pkt. 5c, oz. 15c, $\frac{1}{4}$ lb. 50c, lb. \$1.50.

ALL SEASONS.—(Vandergaw.)—This most excellent variety is as early as Henderson's Summer and makes considerably larger and harder heads. Excellent to plant late, the thickness of head making it a capital sort for keeping through the winter. Pkt. 5c, oz. 20c, $\frac{1}{4}$ lb. 65c, lb. \$2.00.

IMPROVED DANISH BALLHEAD, Or Hollander.—This variety has been selected and perfected for more than fifty years by the Danish gardeners. They prize it so highly that they grow it almost exclusively for winter cabbage, and annually export large quantities to London, Paris and other cities. Heads round, good sized, solid and very fine grained. Has but few outer leaves. A good keeper; tender and crisp, with little waste heart. Pkt. 5c, oz. 30c, $\frac{1}{4}$ lb. 60c, lb. \$2.00.

PERFECTION DRUMHEAD SAVOY.—The Savoy or curly cabbages are of much finer flavor and quality than the best of other kinds. The heads are large and finely curled; an excellent keeper. Pkt. 5c, oz. 20c, $\frac{1}{4}$ lb. 65c, lb. \$2.00.

LUXEMBERG HARD HEAD.—An excellent variety which is in great favor on the Chicago market. It makes a medium size, very hard head of extraordinary weight. Owing to its remarkable keeping properties it is the best spring seller. Pkt. 5c, oz. 25c, $\frac{1}{4}$ lb. 75c, lb. \$2.50.

FOTTLE'S IMPROVED BRUNSWICK.—Excellent for summer and fall use. Pkt. 5c, oz. 10c, $\frac{1}{4}$ lb. 85c, lb. \$1.20.

SUREHEAD.—This popular cabbage is rightly named Surehead, and never fails to make a remarkably fine, solid, large head, with few outer leaves. It is a strong, vigorous grower, ripening late. A first-class main crop variety. Pkt. 5c, oz. 20c, $\frac{1}{4}$ lb. 60c, lb. \$2.00.

MARBLEHEAD MAMMOTH.—Largest of all; have attained a weight of ninety pounds, and the heads of such size that they would not go into a two-bushel basket. Good for exhibition at fairs, but too loose headed for main crop. Pkt. 5c, oz. 25c, $\frac{1}{4}$ lb. 75c, lb. \$2.50.

MAMMOTH RED ROCK.—A market gardener's strain of unusual size, weight and color. Its handsome appearance, large size, solidity and good quality will make it very desirable to all who like red cabbage. Pkt. 5c, oz. 25c, $\frac{1}{4}$ lb. 75c, lb. \$2.50.

CABBAGE.

One ounce of seed will produce about 3,000 plants. Set 5,000 to 10,000 plants to the acre of the early sorts and 6,000 of the large, late kinds.

No vegetable is of greater importance than cabbage, and compared with the cost of seed, there is more money in growing cabbage than any other crop. It does not pay, therefore, to take any risk in buying seed. We have had our cabbage seed grown by the same growers for about fifteen years past, and it has proven of uniformly excellent quality. We pride ourselves on having the purest and highest grade of cabbage seed that is offered, or at least it is surpassed by none. The cabbage requires a deep, rich soil and thorough working to insure good, solid, full-sized heads. Sow early sorts in hotbeds in February or March, or in open ground as soon as it can be worked. Later or winter crops in May or June, in shallow drills six inches apart. When the plants are four inches high transplant to richly manured ground; the early kinds two feet apart; the fall and winter varieties three feet apart. Packets contain about 800 seeds. Slug Shot and tobacco dust are used to kill insects and worms.

ALPHA.—By far the earliest flat-headed variety in existence. It is remarkably solid, rivaling the Danish Ballhead, and is wonderfully free from the loose, superfluous leaves. Its compact growth permits setting plants in rows 24 inches apart and 10 to 12 inches in the row. It has a short stem, and the heads are 6 to 8 inches in diameter, just the right size to sell well on the early market. Very popular with the market gardeners. Pkt. 10c, oz. 30c, $\frac{1}{4}$ lb. 90c, lb. \$3.00.

EXTRA EARLY EXPRESS.—The earliest variety in existence and produces rather small heads long before the Jersey Wakefield or other varieties have begun to head up. Heads are solid, have few outside leaves and can therefore be planted very close and yield large crop. It is a most important variety for the gardener. Pkt. 5c, oz. 15c, $\frac{1}{4}$ lb. 50c, lb. \$1.75.

NEW WASHINGTON WAKEFIELD.—This grand variety is a trifle later than the Jersey Wakefield, but produces much larger heads which are of perfect pyramidal shape, very solid and with few outside leaves. Grows remarkably uniform, the heads even size and shape. Unequaled for market or family garden. Pkt. 5c, oz. 25c, $\frac{1}{4}$ lb. 85c, lb. \$2.75.

HENDERSON'S EARLY SUMMER.

Ten or twelve days later than the Jersey Wakefield, but much larger in size and will stand on the ground much longer without bursting open. Pkt. 5c, oz. 20c, $\frac{1}{4}$ lb. 60c, lb. \$2.00.

HENDERSON'S SUCCESSION.

An excellent variety of large size with a flat head, maturing in mid-summer. It can be brought to perfection in the hottest weather or may be used as an autumn or winter crop. The heads average ten to twelve inches in diameter, but are frequently larger. The average weight per head is about twelve pounds. Pkt. 5c, oz. 25c, $\frac{1}{4}$ lb. 80c, lb. \$2.50.

WINNINGSTADT.

Core-shaped summer sort; when sown late it is good for fall and even winter; a sure header and good keeper. Seed is very scarce this year. Pkt. 5c, oz. 10c, $\frac{1}{4}$ lb. 35c, lb. \$1.25.

BURPEE'S ALL-HEAD EARLY.

At least a week earlier than any of the various strains of early summer cabbage, and fully one-third larger, of perfect shape and the most solid variety on the list. Originated with C. L. Allen, who has grown cabbage seed many years for us, but our competitor, Mr. Burpee, was fortunate in securing the entire stock of it the first year of its introduction, and gave it his name. However, we can most heartily recommend it to our customers. Pkt. 5c, oz. 20c, $\frac{1}{4}$ lb. 60c, lb. \$2.00.

NEW
SHORT-STEM DRUMHEAD
CABBAGE.THE BEST...
MAIN CROP VARIETY.

Cabbage Plants...

Of our own growing, from best quality of seeds. See p. 22



ALL-HEAD
EARLY.



HENDERSON'S EARLY SNOWBALL CAULIFLOWER.

COLLARDS.

One ounce will produce about 3,000 plants.

Collards are largely used as "greens" in some parts of the country, especially South. They are a form of the cabbage, bearing new leaves as the old ones are pulled off.

GEORGIA.—The most satisfactory for general use. Pkt. 5c, oz. 10c, $\frac{1}{4}$ lb. 30c, lb. \$1.00.

CRESS, or Pepper Grass.

One ounce will sow about 16 square feet.

EARLY CURLED.—A well-known salad. Sow early and at intervals during the season. Cover seeds lightly. Pkt. 5c, oz. 10c, $\frac{1}{4}$ lb. 25c.

TRUE WATER.—Sow the seeds along the border of running water and cover lightly. Pkt. 5c, oz. 35c.

CAULIFLOWER.

One ounce will produce about 3,000 plants.

One of the most delicious of vegetables. Any soil that will grow cabbage will grow cauliflower, as their requirements are quite similar. Culture same as cabbage, except that they need a cool and moist atmosphere and should be watered during dry weather. As the flower heads appear, the large leaves should be broken down over them to shield them from the sun and rain.

HENDERSON'S EARLY SNOWBALL.—Throughout the country this is considered not only the earliest of all cauliflowers, but it is more certain to make a head than any other sort. Its dwarf habit and short outer leaves allow it to be planted as close as eighteen to twenty inches apart each way, thus making it especially valuable to market gardeners. Our stock is extra choice and cannot be excelled. It is grown in the locality where this variety originated, by a grower whom we believe to be the best in the world. Per pkt. 15c, $\frac{1}{4}$ oz. 75c, oz. \$2.50.

EXTRA EARLY DWARF LERFURT.—Valuable for forcing. A very popular variety in Europe and with eastern gardeners. First quality. Pkt. 10c, $\frac{1}{4}$ oz. 60c, oz. \$2.00.

EARLY PARIS.—Well-known small variety which usually proves quite satisfactory. Have made price low this year so that all can try this excellent vegetable. Pkt. 5c, oz. 50c.

LENORMAND'S.—There is considerable call in this market for a late variety of cauliflower, and in the Lenormand's we have just what is wanted. It is of large size and produces well formed heads of excellent quality. Pkt. 5, oz. 60c.

CAULIFLOWER PLANTS.—See list of vegetable plants.

DANDELION.

IMPROVED THICK LEAVED.—A greatly improved sort bearing large leaves very early, which make excellent greens. Sow early in the spring in drills 18 inches apart; thin to 5 inches in the rows and cultivate well; they will be fit for cutting the next spring. The seed we offer is from carefully selected stocks. Pkt. 5c, oz. 75c.

CARROTS.

One ounce will sow 100 feet of drill; 3 or 4 pounds for one acre.

This is an indispensable root for the farm and is deserving of more general cultivation. Well managed, there is no crop pays better, and most farmers would find an acre or so desirable. Carrots form a nutritious, succulent food in the winter for cattle, horses, sheep and pigs. For early crop, sow in spring as soon as the ground can be worked, in drills fifteen inches apart, covering one-half inch; thin plants to three or four inches apart in the row. For field culture rows should be of sufficient distance to admit of use of a horse cultivator; sow seed from the middle of April to the first of June. A light sandy loam, deeply tilled, is best, but as carrot seed is slow to germinate, extra precautions should be used to firm the soil after sowing. An average yield is 800 to 1,000 bushels per acre.

EARLY SCARLET HORN.—The favorite extra early variety. Very early; color orange-scarlet, fine grained and agreeable flavor. Tops small, has a short, stump-shaped root; grows well in shallow soil. Pkt. 5c, oz. 10c, $\frac{1}{4}$ lb. 25c, lb. 75c.

OXHEART, or Guerande.—We do not hesitate to call this the most valuable variety in existence. It is intermediate between the Half-Long and the Horn varieties, attaining a diameter of 3 to 4 inches at the neck, of beautiful shape and rich orange color. Where other varieties require digging it is easily pulled. It will produce roots as early as any variety and continues of the best quality all season. Fine for hogs and other stock and has yielded 1,200 bu. per acre. Cut tops with scythe and pull roots with potato hooks. Pkt. 5c, oz. 10c, $\frac{1}{4}$ lb. 25c, lb. 75c.

DANVERS.—Is in form about midway between the Long Orange and Shorthorn class, growing generally with a stump root. It is of a rich, dark orange color, grows to a large size, is smooth, and the flesh very close in texture with little core. It is a first-class carrot for all soils, and it is claimed that under good cultivation it will yield the greatest weight per acre with the smallest length of root of any grown. Pkt. 5c, oz. 10c, $\frac{1}{4}$ lb. 20c, lb. 65c.

IMPROVED LONG ORANGE.—One of the most desirable for either garden or field culture. It grows to a large size, fair specimens averaging twelve inches in length, and three inches in diameter at the top. Pkt. 5c, oz. 10c, $\frac{1}{4}$ lb. 20c, lb. 60c.

LARGE WHITE VOSGES, or IMPROVED SHORT WHITE.—A stock variety which is enormously productive and easy to harvest. Color light green above ground, white below; flesh rich, white, solid and crisp; heavy yielding. Pkt. 5c, oz. 10c, $\frac{1}{4}$ lb. 20c, lb. 60c; by express 5 lbs. or more, 45c per lb.

VICTORIA.—Largest carrot grown, heaviest cropping and most nutritious variety in cultivation; roots remarkably fine, of light orange color, symmetrical, excellent quality, possessing high feeding properties; good keeping qualities; heavy cropper on all soils, especially adapted for rich land, grows half as much weight again per acre as ordinary varieties; grows well out of ground and is easily harvested. All who have cattle should raise a quantity of these carrots for feeding milk cows during winter. It increases the flow of milk and imparts to the butter a delicious flavor and a rich golden color. Breeders of fine horses feed carrots to help keep them in perfect health and condition at all times. Pkt. 5c, oz. 10c, $\frac{1}{4}$ lb. 25c, lb. 75c. By express 5 lbs. or more, 50c per pound.



OXHEART CARROT.



IF YOU KEEP A COW DON'T FAIL TO GROW PENCILARIA. IT'S A PAYING CROP.

CELERY. 4 BEST SORTS.



CELERY.

One ounce will produce about 6,000 plants.

This we consider one of the luxuries of the garden. For first crop sow the seed early in hotbeds, or in boxes in the house, in rich, moist soil, covering the seed very lightly. For main crop sow seed in open ground in April or as soon as the soil is in good condition. Seed germinates slowly and if weather is hot and dry protect with light covering of hay or straw. Stir soil as soon as plants are well up; thin out and transplant so that they stand about an inch apart in the row. If they grow too rapidly, shear the tops off when about 4 or 5 inches high and this will make them more stocky. For main crop set plants out between June 15th and July 15th in rows three feet apart and the plants six inches apart in the row. Care should be exercised to firm the earth well around plants when setting and they will root better. Keep clear of weeds until about the middle of August, when it will be time to begin earthing up. Draw the soil up against the plants with a hoe as closely as possible, firming it enough to keep plants in an upright position. Later in the season the blanching process must be finished by digging the soil from between the rows and banking it clear to the tops on each side of the row of celery. Much labor is saved by growing the self-blanching varieties, but they do not keep quite so well for winter use.

GIANT PASCAL.—Stalks remarkably large, thick, solid, entirely stringless, very crisp and brittle. A vigorous grower and is self-blanching, clear white. Pkt. 5c, oz. 15c, $\frac{1}{4}$ lb. 50c, lb. \$1.50.

GOLDEN SELF-BLANCHING.—This is by far the most popular variety now on the market. It is of medium earliness, of dwarf, compact habit, with thick, solid, heavily ribbed stalks, which blanch easily to a clear waxen yellow. When grown in rich, moist soil, the stalks are numerous and large with a solid heart of beautiful yellow. The seed is scarce this year. Pkt. 5c, oz. 25c, $\frac{1}{4}$ lb. 85c, lb. \$2.75.

ROSE RIBBED SELF-BLANCHING.—A sport from the Golden Self-Blanching, having all its good qualities, but with the additional attraction of beautiful, rose-tinted ribs, making it very handsome on the table. Pkt. 5c, oz. 30c, $\frac{1}{4}$ lb. 85c, lb. \$3.00.

HENDERSON'S HALF DWARF.—Entirely solid, possessing a rich, nutty flavor, while it has much vigor of growth and heavy bunch. Pkt. 5c, oz. 15c, $\frac{1}{4}$ lb. 40c, lb. \$1.25.

WHITE PLUME.—Stalks, portions of the inner leaves, and heart naturally white and become fit for use by simply tying it up closely with soft twine. More used than any other variety by market gardeners. Our seed is of the highest quality and sure to please all. Pkt. 5c, oz. 15c, $\frac{1}{4}$ lb. 50c, lb. \$1.50.

WINTER QUEEN.—The finest dwarf winter celery. Of a rich green coloring, like the Giant Pascal, it is more readily blanched and ready for use earlier in the fall. The plants make large bunches of extra heavy stalks of even length, making a very handsome appearance; fine flavor, best table quality; keeps until May. Pkt. 10c, oz. 40c, $\frac{1}{4}$ lb. \$1.25.

GOLDEN DWARF.—Waxy golden yellow, cylindrical, solid, crisp. Pkt. 5c, oz. 15c, $\frac{1}{4}$ lb. 40c, lb. \$1.25.

CELERIAC, or TURNIP-ROOTED.—Grown for the roots. Excellent for salad and flavoring. Very popular among our German customers. Pkt. 5c, oz. 15c, $\frac{1}{4}$ lb. 50c, lb. \$1.50.

OLD CELERY SEED.—For flavoring. Oz. 15c, $\frac{1}{4}$ lb. 15c, lb. 40c.

CELERY PLANTS.—See Vegetable Plants.

CHUFAS,

Or Earth Almond.

A nice little ground nut which is greatly liked by the children. In sweetness and flavor they resemble the cocoanut or almond and are considered very nice put on the table in a fruit dish with candies, and as an after dinner relish. Very prolific, a single one yielding from 200 to 400. The nuts grow under the ground, very near the surface, easily reached by pigs and poultry, and destroyed by them if they have free access. Plant in April, ten inches apart in two and one-half foot rows. Cover them lightly. If seed is very dry, soak them well before planting. Pkt. 5c, oz. 10c, $\frac{1}{4}$ lb. 20c, lb. 50c.



CHUFAS.



CELERIAC
OR
TURNIP-
ROOTED
CELERY.

CELERY FRESH FROM THE GARDEN IS A LUXURY APPRECIATED BY ALL.



COUNTRY GENTLEMAN.

CHAMPION EARLY.—Without doubt the earliest large corn ever introduced, maturing only a few days later than the small eared sorts and producing large 12-rowed ears, 8 to 10 inches long. Pure white kernels with medium white cob, very sweet and tender, usually producing two ears to the stalk. This variety is unsurpassed for market gardening as well as the family garden, owing to its large size and fine appearance. Pkt. 5c, $\frac{1}{2}$ pt. 12c, qt. 30c; by express, $\frac{1}{2}$ pk. 50c, pk. 85c.

COUNTRY GENTLEMAN.—An improvement on the old favorite Shoe Peg Sweet Corn. Our illustration of a single stalk shows its great productiveness; the crop can be counted on to give three to five ears to a stalk. When this unusual abundance is coupled with the luscious quality, the general superiority of this new variety will be quickly seen. The cob is very small, thereby giving great depth to the kernels which are of pearly whiteness, and we cannot say too often—surprisingly sweet and tender. Pkt. 5c, $\frac{1}{2}$ pt. 15c, qt. 40c; by express, $\frac{1}{2}$ pk. 75c, pk. \$1.25.

CROSBY'S EARLY.—For medium early use and general crop this is one of the most desirable varieties. Ears are of medium size and the cooking qualities excellent. A good cropper and profitable for family use and as a market sort. Pkt. 5c, $\frac{1}{2}$ pt. 10c, qt. 30c; by express, $\frac{1}{2}$ pk. 50c, pk. 85c.

IMPROVED STOWELL'S EVERGREEN.—For many years Stowell's Evergreen corn has been the most prominent main crop variety and is more largely planted than any other, being a general favorite with canners and market gardeners for late use. We have been selecting this for a number of years to improve it for family use. The ears are medium to large size, and our illustration was made by combining the picture of the lower part of an ear in fit condition for table use with part of an ear of dry seed corn. The grains are deep, exceptionally tender and remain a long time in an edible condition. The dried kernels are shriveled so much that they readily show its unusual sweetness. Pkt. 5c, $\frac{1}{2}$ pt. 10c, qt. 30c; by express, $\frac{1}{2}$ pk. 60c, pk. 75c.

BLACK MEXICAN.—Although the ripe grain is black or bluish black, the corn, when in condition for the table cooks remarkably white and is surpassed by none in tenderness. This, by many, is considered the most desirable for family use of the second early sorts. Withstands hot, dry weather. Pkt. 5c, $\frac{1}{2}$ pt. 15c, qt. 50c; by exp. $\frac{1}{2}$ pk. 65c, pk. \$1.00.

MAMMOTH SUGAR.—This produces the largest ear of any sweet corn, a single ear sometimes weighing 2 or 3 lbs.; sweet and luscious. Pkt. 5c, $\frac{1}{2}$ pt. 12c, qt. 35c; by express, $\frac{1}{2}$ pk. 60c, pk. \$1.00.

EVERGREEN FODDER.—For dairymen. Quart 25c; by express, $\frac{1}{2}$ pk. 35c, pk. 60c, bu. \$1.75.

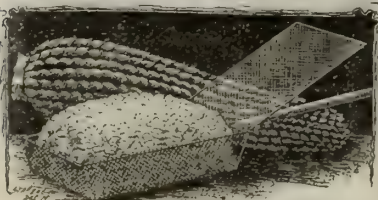
EARLY FODDER.—Quart 25c; by express, $\frac{1}{2}$ pk. 35c, pk. 60c, bu. \$1.75.

POP-CORN.

It pays to raise pop-corn as a general crop. Demand usually exceeds the supply. Some farmers claim that it is as easily grown as field corn and they receive three or four times the amount per acre for the crop. For main crop the Monarch White Rice will bring the best price per pound, as it is better known. Let the children try a small patch anyway for home use. Ask for prices in quantity.

PAGE'S NEW STRIPED RICE.—The best, handsomest and most attractive variety of pop-corn in existence. The color is a clear, translucent white and each kernel is beautifully striped with bright crimson. The ears are of good size and well filled out. Early, very productive and very finest quality. Pkt. 5c, $\frac{1}{2}$ pt. 15c, qt. 50c; by express, $\frac{1}{2}$ pk. \$1.00, pk. \$1.75.

MINIATURE.—A regular little beauty. Attractive on account of its small size and handsome, perfect shaped ears which are only two or three inches long, with very deep, pure white kernels which pop to immense size. Three to eight ears to the stalk. Pkt. 5c, $\frac{1}{2}$ pt. 20c, qt. 65c.



PAGE'S STRIPED RICE

QUEEN'S GOLDEN.—Color a peculiar lustrous golden yellow; pops to a rich cream color; very prolific. Pkt. 5c, $\frac{1}{2}$ pt. 12c, qt. 40c.

MAPLEDALE PROLIFIC.—The most productive pop-corn, averaging five to twelve good ears to the stalk. Tops to large size and very tender. Pkt. 5c, $\frac{1}{2}$ pt. 16c, qt. 50c.

MONARCH WHITE RICE.—It is the best white variety. Bears from three to six ears per stalk, and produces fifteen hundred to two thousand pounds per acre. It will pay you to try it. Pkt. 5c, $\frac{1}{2}$ pt. 10c, qt. 30c; by express, $\frac{1}{2}$ pk. 60c, pk. \$1.00.

SWEET CORN.

One quart will plant 200 hills;
One peck will plant an acre in hills.

Plant as soon as the ground becomes warm in the spring, in hills about three feet apart; five or six grains to the hill, and when up thin them out, allowing three or four of the strongest plants to remain; give thorough cultivation. Our sweet corn is carefully grown and selected, only the choicest, most perfect ears being shelled for seed. It costs us more and is far superior to ordinary stock. Packages contain about two ounces. We pay the postage by the packet, half pint and quart. Deduct ten cents on each quart if to be sent by express; pints at half quart prices. The half pint packages are very desirable for small families.

EARLY SUNRISE.—See novelties. Pkt. 5c, $\frac{1}{2}$ pt. 15c, qt. 50c; by express, $\frac{1}{2}$ pk. 75c, pk. \$1.25.

PHARAOH'S DREAM.—The most productive variety. See illustration and description on cover. Pkt. 10c, $\frac{1}{2}$ pt. 20c, qt. 60c; by express, $\frac{1}{2}$ pk. 85c, pk. \$1.50.

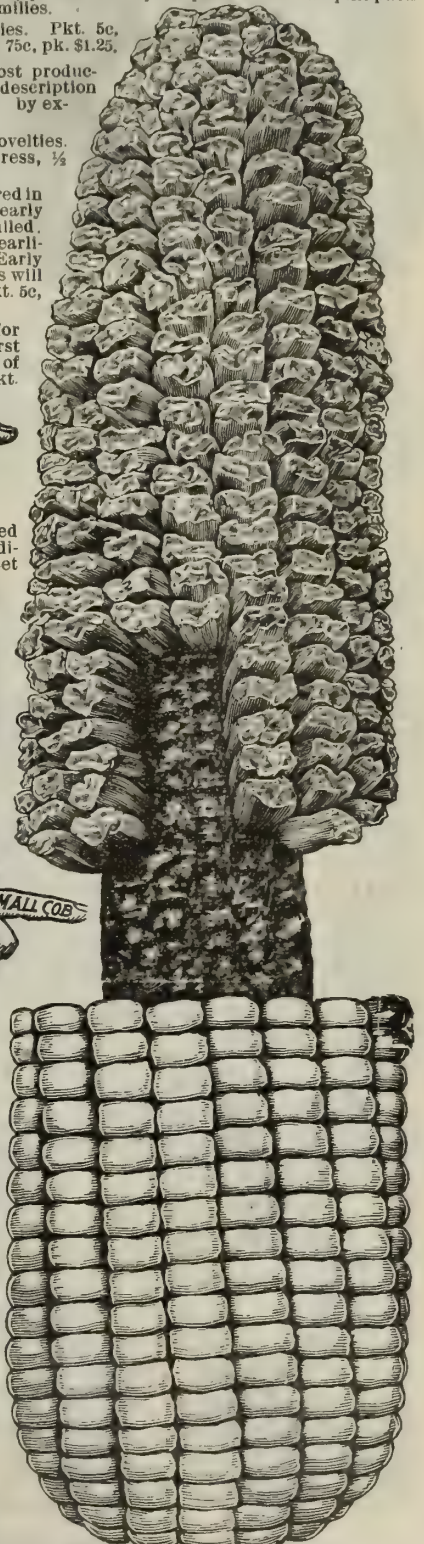
STRIPED EVERGREEN.—See novelties. Pkt. 5c, $\frac{1}{2}$ pt. 15c, qt. 50c; by express, $\frac{1}{2}$ pk. \$1.00, pk. \$1.75.

PEEP OF DAY.—Of Minnesota origin and has been offered in the market five to seven days earlier than other well-known early kinds. Ears five inches long, perfect in form, and well filled. The corn is tender and sweet. We are very positive of the earliness of this variety, as on our place it matured with the Early Sunrise and is similar to it in many respects. Our customers will make no mistake in planting some of it for first early. Pkt. 5c, $\frac{1}{2}$ pt. 15c, qt. 50c; by express, $\frac{1}{2}$ pk. 75c, pk. \$1.25.

EXTRA EARLY CORY.—(White Cob)—This was for years the most popular variety with market gardeners for first early market until the introduction of Early Sunrise. It is of dwarf growth and yields well; ears are of medium size. Pkt. 5c, $\frac{1}{2}$ pt. 12c, qt. 40c; by express, $\frac{1}{2}$ pk. 60c, pk. \$1.00.

EARLY MINNESOTA.—A standard early variety. The ears are of good size and well flavored. Valuable for either private or market use. Pkt. 5c, $\frac{1}{2}$ pt. 10c, qt. 30c; by express, $\frac{1}{2}$ pk. 50c, pk. 75c.

EXTRA EARLY ADAMS, or Burlington.—This is not a true sweet corn, but produces ears well filled with tender white grains. It is very early and on account of its hardiness and hard, round grain it can be planted much earlier than sweet corn. Pkt. 5c, $\frac{1}{2}$ pt. 10c, qt. 30c; by express, $\frac{1}{2}$ pk. 50c, pk. 75c.



IMPROVED STOWELL'S EVERGREEN.

IT PAYS TO PLANT OUR EVERGREEN FODDER CORN FOR DAIRY COWS.

CUCUMBER.

One ounce will plant fifty hills; two pounds will plant an acre.

Cucumbers succeed best in a rich, loamy soil. For first early, sow in hotbeds, in berry boxes, or in small flower pots, six weeks before they can be set out in open ground. When danger of frost is over transplant in hills four feet apart each way. For general crop plant in open ground 1 May, about twelve seeds in a hill. When danger of bugs is past thin to four strong plants in a hill. For pickling, plant in June. Sprinkle the vines with plaster or air-slacked lime to protect them from the bugs, or use Slug Shot to kill the bugs.

EARLY EXPRESS.—See novelties. Pkt. 10c

EMERALD.—A new variety which possesses that rich, dark green color which has long been sought for but never before obtained, retaining its color until fully ripe. Its fruit sets early and its vigorous vines abound in long, straight, handsome fruits of most desirable qualities. Pkt. 5c, oz. 20c, $\frac{1}{4}$ lb. 60c, lb. \$1.75.

GREEN PROLIFIC.—One of the best pickling varieties; dark green, tender, crisp, very productive; of fine flavor, uniform size, and good for table use. Pkt. 5c, oz. 10c, $\frac{1}{4}$ lb. 30c, lb. \$1.00.

IMPROVED CHICAGO PICKLE.—This variety which originated with a leading pickle grower near Chicago, is considered the best variety there as it is very prolific, matures early and produces an immense number of desirable shaped pickles. Pkt. 5c, oz. 15c, $\frac{1}{4}$ lb. 35c, lb. \$1.20.

BOSTON, or JERSEY PICKLE.—Is used almost exclusively by the market gardeners near Boston for pickling. Pkt. 5c, oz. 10c, $\frac{1}{4}$ lb. 25c, lb. 75c.

PERFECT WHITE SPINE.—This improved strain is pronounced by good judges superior to all others. Fruit even and good size, straight, well formed and symmetrical. It is of uniform shape, making it unexcelled for pickling. Immensely productive, and keeps solid and crisp a long time. Pkt. 5c, oz. 10c, $\frac{1}{4}$ lb. 30c, lb. \$1.00.

IMPROVED BISMARCK.—An excellent variety with very long fruit, pointed at both ends, very uniform in shape, size and color, thus making it an excellent sort for marketing. Holds its dark green color well. Pkt. 5c, oz. 20c, $\frac{1}{4}$ lb. 60c, lb. \$1.75.

JAPANESE CLIMBING.—Vines are of healthy, vigorous growth with rich, dark green foliage, and throw out strong, grasping tendrils, which enable it to climb trellis, wire netting, brush or any other suitable support. Of large size, cylindrical shape, flesh pure white, skin dark green turning to brown and netted when ripe; of excellent quality for slicing. Pkt. 5c, oz. 20c, $\frac{1}{4}$ lb. 60c, lb. \$1.50.

IMPROVED LONG GREEN.—A standard sort. Vine vigorous and productive, forming fruit fit for the table nearly as early as the shorter sorts; fruit about 12 inches long, firm and crisp. Pkt. 5c, oz. 10c, $\frac{1}{4}$ lb. 30c, lb. \$1.10.

CUMBERLAND.—A cross between the Peerless White Spine and Japanese Climbing cucumber. It is a hardy, rapid, vigorous grower and one of the most prolific varieties that we know of. The pickles differ from all other sorts in being thickly set with fine spines over the entire surface except the extreme stem end. They are exceptionally straight and symmetrical, and the flesh is crisp and tender, so that we are safe in calling it the best pickling cucumber on the market. Pkt. 5c, oz. 15c, $\frac{1}{4}$ lb. 40c, lb. \$1.40.

WEST INDIA GHERKIN, or BURR.—Makes a handsome pickle of first-class quality. Be sure to try it. Pkt. 5c, oz. 25c, $\frac{1}{4}$ lb. 80c.

SNAKE.—A remarkable and very interesting curiosity. Cucumbers grow curled up like a snake with the head protruding, and some measure six feet in length. Grown chiefly as a curiosity and for exhibition. In packets only, each 10c.



IMPROVED CHICAGO PICKLE.

EARLY CLUSTER.—Fruits of the slim form desirable for pickling. It is extra prolific, frequently setting in cluster of two and three. These are desirable for small pickles. If the fruits are kept gathered, the vines will continue in bearing. Pkt. 5c, oz. 10c, $\frac{1}{4}$ lb. 30c, lb. 85c.

NEW ASTRO.—A variety of the highest merit for gardeners, some claiming that they made more money from a crop of these grown early in hotbeds than from any other crop, as the yield a continual daily pickling and sell quickly at \$1.00 per dozen. Fruit large, perfect shape, 8 to 12 inches long. They are of the very best quality for slicing, as the flesh is white and crisp and they have very few seeds. Pkt. 10c, oz. \$1.00.

EGG PLANT.

A tender plant which should be started quite early in a hotbed or box in the house which must be kept warm. Transplant late to open ground 2½ feet apart.

IMPROVED NEW YORK.—Our strain of this, the leading market variety, we believe to be unsurpassed. Very large size, skin deep purple, flesh white and of excellent quality. Very productive. Pkt. 5c, oz. 40c, $\frac{1}{4}$ lb. \$1.25.

EARLY ROUND PURPLE.—The earliest variety in existence, being several weeks earlier than the above. Fruit is exactly the same shape and color as the Improved New York Purple, but is somewhat smaller. It is fully equal in quality, and what it lacks in size is made up in productiveness. Pkt. 5c, oz. 35c, $\frac{1}{4}$ lb. \$1.10.

PEARL WHITE.—Pure creamy white, with slight shading of light green near the stem; good quality. Pkt. 5c, oz. 40c, $\frac{1}{4}$ lb. \$1.40.

KOHL RABI. One ounce will produce 2,500 plants.

If you have never grown Kohl Rabi you should try it this year. It is a most excellent vegetable, intermediate between the cabbage and turnip. Cultivate like cabbage and cook like turnips.

GOLIATH PURPLE.—Of immense size, solid and sweet; keeps well. It will pay to get the best. Pkt. 5c, oz. 25c, $\frac{1}{4}$ lb. 75c, lb. \$2.00.

EARLY WHITE VIENNA.—Flesh white and tender. Good market sort. Pkt. 5c, oz. 20c, $\frac{1}{4}$ lb. 60c, lb. \$1.75.



IMPROVED NEW YORK EGG PLANT.

OKRA, or GUMBO.

One ounce will sow about 80 feet of drill.

Why not try Okra this year? It is extra nice for soups, stews, etc., and also much liked when pickled. Sow at the usual time of tender vegetables, in drills 2 inches deep, leaving the plants 2 to 3 feet apart. Pick pods while still tender and slice cross-wise before cooking.

DWARF WHITE VELVET.—Pods round, smooth and of an attractive white velvety appearance, very tender and of a superior flavor. Plants dwarf and very productive. Pkt. 5c, oz. 10c, $\frac{1}{4}$ lb. 25c, lb. 75c.

RHUBARB, or PIE PLANT.

One ounce will produce about 100 plants.

Succeeds best in deep, rich soil. Sow in spring in drills, cover one inch. Thin plants to six inches apart. Transplant in autumn or spring to permanent beds three feet apart each way.

IDEAL MAMMOTH. Largest and best. See novelties. Pkt. 10c, oz. 25c.

VICTORIA.—The old standard sort. Pkt. 5c, oz. 15c, $\frac{1}{4}$ lb. 40c, lb. \$1.25.

VICTORIA RHUBARB ROOTS.—By mail 15c each, \$1.00 per dozen.

IDEAL MAMMOTH ROOTS.—Have only a limited supply of this improved variety. Each 30c, doz. \$2.50, postpaid.



GOLIATH KOHL RABI.



WHITE VELVET OKRA.

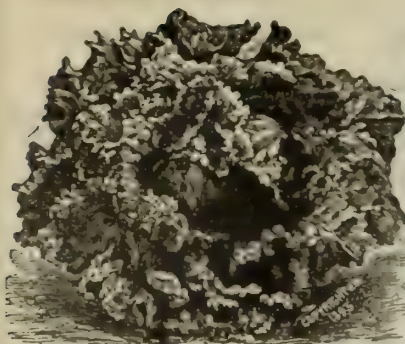
LETTUCE.

One ounce will sow 120 feet of drill.

Probably no vegetable is more universally used than Lettuce, and to be thoroughly appreciated it must be brought to the table fresh and unwithed. The quality of lettuce depends largely upon a rapid and vigorous growth. Sow in hothed in March and in open ground as early as it can be worked, thinly in drills one foot apart. For a succession sow every three weeks during season. The soil should be rich and mellow. Thin out the plants as they grow.

CONTINUITY.—A novelty of dark brown, nearly black color and excellent quality. See description with novelties. Pkt. 10c, oz. 25c.

EARLY CURLED SIMPSON.—An improved variety of Curled Silesia; large, loose heads; fine flavor. Pkt. 5c, oz. 10c, $\frac{1}{4}$ lb. 25c, lb. 75c.



ICEBERG LETTUCE.

ICEBERG.—The large, curly leaves that cover the outside of the solid heads are of a bright, light green, with a very slight reddish tinge at the edges. The center is thoroughly blanched. Whether in the early spring or the hottest days of summer, the quality is simply perfect. Pkt. 5c, oz. 15c, $\frac{1}{4}$ lb. 40c.

DENVER MARKET.—An early variety of Head Lettuce either for forcing or open ground. It forms large, solid heads, of a good light green color, and is very slow to go to seed. The leaves are beautifully marked and blistered (like the Savoy cabbages), and very crisp, tender and of excellent flavor. By these blistered leaves it distinguishes itself from any other kind grown. Pkt. 5c, oz. 10c, $\frac{1}{4}$ lb. 30c, lb. 85c.

GRAND RAPIDS.—A forcing variety of superior quality and beautiful appearance, strong grower, free from rot, and keeps crisp and tender without wilting when exposed for sale, longer than any forcing lettuce. It is also a desirable variety for sowing in open ground. Pkt. 5c, oz. 15c, $\frac{1}{4}$ lb. 40c, lb. \$1.20.

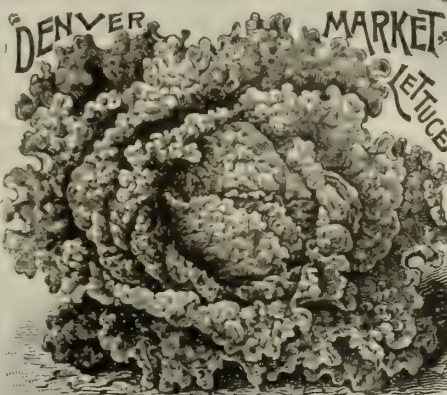
CALIFORNIA CREAM BUTTER.—A variety of cabbage lettuce, with round, solid head, as shown in the illustration; outside, the heads are of medium green, slightly marked with small brown spots; within, the leaves are of a very rich cream yellow color, and particularly rich and buttery to the taste. The heads are of good size, compact, very hard and solid. In California they eat the heart only, with a dressing of olive oil, vinegar, salt and pepper. Pkt. 5c, oz. 15c, $\frac{1}{4}$ lb. 40c, lb. \$1.20.

SALAMANDER.—An excellent spring, summer and fall variety, forming good sized heads that stand drouth and heat longer without injury than any other sort; matures very early. Per pkt. 5c, oz. 10c, $\frac{1}{4}$ lb. 30c, lb. 90c.

RELISH.—When visiting the place of one of our seed growers in California, we were greatly pleased with this fine new variety which we do not hesitate to call the best of all for family use. It is one of those rich buttery flavored sorts which after one becomes accustomed to, they always prefer to the crisp leaved varieties. It is the blanched yellow center of the head that is eaten with olive oil, vinegar, salt and pepper. A desirable sort for family use and market gardeners, either for forcing or growing in the open ground. Early and hardy. Pkt. 5c, oz. 15c, $\frac{1}{4}$ lb. 45c.



RELISH LETTUCE.



IMPROVED HANSON.—For general use both of market gardeners and in the private garden, we are sure that no variety can surpass our Improved, carefully selected strain of Hanson Lettuce. It has been so judiciously improved that the heads are so solid that often they do not send up a seed stalk unless cut open with a knife. Heads are very large, green outside and nearly white within, deliciously sweet, crisp and tender, and almost absolutely free from rank or bitter taste. Resists the summer heat exceptionally well. Pkt. 5c, oz. 10c, $\frac{1}{4}$ lb. 30c, lb. \$1.00.

MORSE.—Might well be called an Improved Black Seeded Simpson. Is very desirable for growing under glass or outdoors. We consider this one of the finest family sorts in existence. Pkt. 5c, oz. 10c, $\frac{1}{4}$ lb. 30c, lb. \$1.00.

PRIZE HEAD.—Very tender leaves of dark reddish brown color, variegated with dark green. Heads large and of good flavor. We sell more of this than any other brown leaved variety. Always satisfactory. Pkt. 5c, oz. 10c, $\frac{1}{4}$ lb. 30c, lb. 80c.

BLACK SEEDED SIMPSON.—Nearly double the size of ordinary Curled Simpson. Stands the summer well without becoming tough or running to seed quickly. It is by far the most popular variety for greenhouse forcing, making large, handsome heads in a very short time. Gardeners are always pleased with our seed. Pkt. 5c, oz. 10c, $\frac{1}{4}$ lb. 30c, lb. 90c.

RUDOLPH'S FAVORITE.—Of large size, crisp and delicate in flavor and very desirable for summer use, as well as for forcing. Forms a fine, solid head of a beautiful yellow color. Pkt. 5c, oz. 15c, $\frac{1}{4}$ lb. 40c.

MIXED VARIETIES.—Seed of about 20 early, medium and late sorts mixed, thus giving lettuce for the table during the entire season, and giving opportunity to try all the leading varieties with but little expense. Pkt. 5c, oz. 10c, $\frac{1}{4}$ lb. 30c, lb. \$1.00.



LARGE ROUEN LEEK.

LEEK.

Leeks are quite appetizing when sliced and served as a salad, or they can be cooked and served like onions. Sow seed thinly in drills early in spring; thin out so as to stand six inches apart in the row. Early in the fall draw earth up about the stems the same as you would to blanch celery.

LARGE ROUEN.—Largest and most uniform of all. Pkt. 5c, oz. 15c, $\frac{1}{4}$ lb. 45c, lb. \$1.35.

MUSTARD.

A pungent salad, used with cress or for greens. Sow thickly in rows; cut when about two inches high. One ounce will sow about seventy-five feet of drill.

Ostrich Plume.—See novelties. Pkt. 5c, oz. 15c. **Southern Giant Curled.**—Highly esteemed in the south for fall sowing. Pkt. 5c, oz. 10c, $\frac{1}{4}$ lb. 25c, lb. 65c. **White English or London.**—Pkt. 5c, oz. 10c, $\frac{1}{4}$ lb. 20c, lb. 40c. **Chinese Golden.**—Leaves very thick, finely curled and of a bright golden yellow color. Pkt. 5c, oz. 10c, $\frac{1}{4}$ lb. 25c.

MUSK MELON.

One ounce will plant about 80 hills,
two pounds to the acre.

The soil best adapted to the culture of melons is a warm, rich, sandy loam. Plant in hills five or six feet apart each way, ten or twelve seeds in a hill. When they begin to vine, thin out, leaving only four of the most thrifty. As melons are very sensitive to cold, they should not be planted until the settled warm weather begins—in this latitude about the middle of May. Cultivation should commence as soon as the plants appear above the ground, and be kept up once a week until the vines interfere too much. You will be pleased with our melon seed.

EUROPEAN MIXED.—See novelties. Pkt. 10c.

OSAGE GEM.—See novelties. Pkt. 10c; oz. 25c.

GRAND RAPIDS.—The main characteristic of this melon is its extreme earliness; has been on the market two weeks earlier than any other sort and sold readily at \$2.50 per dozen to the hotels and fancy grocers, while melons grown in the south were practically unsalable. The flesh is pure yellow clear to the rind; skin finely netted. To obtain the best results, and to show its remarkable earliness and productiveness, we would advise our customers to pinch off runners, thus throwing growth into fruit, making it of larger size and earlier. Pkt. 5c; oz. 25c; $\frac{1}{4}$ lb. 60c; lb. \$2.00.

EMERALD GEM.—This is undoubtedly the finest in flavor of any variety of musk melon. It is also the earliest to ripen, and while too soft to stand shipping any great distance to market, it is unequaled for home use or nearby markets. Vines of strong vigorous growth and very prolific. If fruits are gathered as soon as they ripen, the vines will continue in bearing throughout the season. The melons are rather small and flattened at both ends. The skin is a rich, deep emerald green, smooth



EMERALD GEM MUSK MELON.

and free from netting. The fruits are heavily ribbed, with narrow bands of lighter green between the ribs. Flesh very thick, with thin rind and small seed cavity, crystalline in appearance, and of rich salmon color. Seed scarce this year. Pkt. 10c, oz. 20c, $\frac{1}{4}$ lb. 65c, lb. \$2.25.

BAY VIEW. One of the most prolific melons in cultivation. It has been grown to weigh from 15 to 20 lbs. and from 15 to 18 inches long. Hardy, vigorous and continues a long time in bearing. Pkt. 5c, oz. 10c, $\frac{1}{4}$ lb. 35c, lb. \$1.15.

MONTREAL MARKET.—This is a very large fruited variety of superior quality. They are nearly round in form, slightly flattened at the ends, with very large, broad, heavy ribs. Dark-green skin, thickly covered with heavy nettles. The flesh is two inches thick, light-green, melting and of delicious flavor. This is one of the handsomest varieties to grow for exhibition purposes. Pkt. 5c; oz. 15c; $\frac{1}{4}$ lb. 50c; lb. \$1.65.

BANANA.—Attains a length of from eighteen inches to three feet, three inches, and is from two to four inches thick. Flesh very thick, of a salmon color. It looks almost like an overgrown banana; smells like one, hence its name. Pkt. 10c; oz. 25c

PRINCESS, or PERFECTION.—This splendid variety is nearly round, with heavy, netted, dark green skin; the flesh is of a rich salmon color, and in flavor it is sweet and luscious beyond description. They ripen early and grow to a good size, often weighing 8 to 10 lbs. each. Pkt. 5c; oz. 15c, $\frac{1}{4}$ lb. 40c; lb. \$1.25.

IMPROVED GREEN NUTMEG.—A greatly improved strain of the old Green Nutmeg. Fruit of a fair size, very rich, melting and of exquisite flavor, flesh light green. Very productive. Pkt. 5c; oz. 15c; $\frac{1}{4}$ lb. 45c; lb. \$1.35.

NETTED GEM.—A most excellent small melon and very popular with melon growers. It is finely netted and looks nicely on the market. Flesh green and particularly rich and juicy, so that it seems to melt in the mouth. Pkt. 5c; oz. 10c; $\frac{1}{4}$ lb. 25c; lb. 75c.

PAUL ROSE.—We have been greatly pleased with this new variety, and we consider it one of the finest sorts. It is the result of a cross of the Osage and Netted Gem, and combines the sweetness and high flavor of the former with the fine netting and superior shipping qualities of the Netted Gem. It is of peculiarly sweet, rich, delicious flavor and a long keeper. If you are a gardener, plant it and catch top of market prices. Pkt. 5c; oz. 15c; $\frac{1}{4}$ lb. 40c; lb. \$1.25.

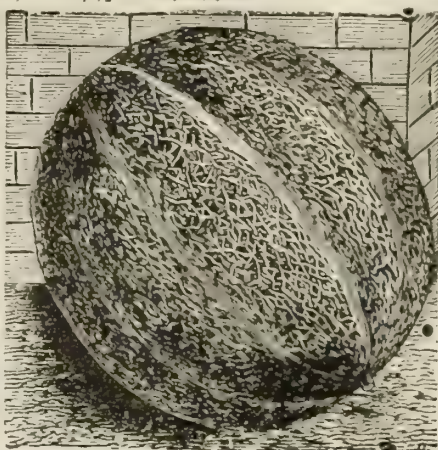


OSAGE MUSK MELON.



IMPROVED EARLY HACKENSACK.—This valuable variety is ready for market fully ten days ahead of the well known Hackensack, which it resembles in size, shape and quality. They are almost equal in size to the old Hackensack, weighing from five to ten pounds each. It is also very productive, averaging from five to six melons on the vine, all which are deeply netted; flesh light green. Pkt. 5c; oz. 10c; $\frac{1}{4}$ lb. 35c; lb. \$1.20.

ROCKY FORD.—This new variety, which might be described as an improved Netted Gem, has everywhere been in great demand by the high class hotels and restaurants. Hundreds of carloads of them have been shipped from the little town of Rocky Ford, Colorado, to Chicago, St. Louis, New Orleans, Philadelphia, Newport, Boston, and other cities, driving out the home grown. The melons



ROCKY FORD MUSK MELON.

are of just the right size for table use, slightly oval in shape. The flesh is thick, of a light green color, and a fine, juicy, luscious flavor. It is very early, and is wonderfully productive. Pkt. 5c; oz. 10c; $\frac{1}{4}$ lb. 25c; lb. 75c.

OSAGE.—One of the best melons on the market for family use and also greatly liked by gardeners. The skin is thin, of dark green color and slightly netted. The flesh is salmon color, remarkably sweet and spicy in flavor, extremely thick and delicious to the rind. The seed cavity is very small. It is seldom that one of poor quality is found. The whole crop is very even and extra heavy, owing to the thickness of the meat. All lovers of fine melons should try the Osage. Pkt. 5c; oz. 15c; $\frac{1}{4}$ lb. 45c; lb. \$1.50.

MIXED MUSK MELONS.—All of the above and a few other kinds grown separately and the seed mixed together. Will produce melons throughout the whole melon season. Per pkt. 5c; oz. 10c; $\frac{1}{4}$ lb. 35c; lb. \$1.20.

PLEASED CUSTOMERS.

All the seeds purchased from the Iowa Seed Co. have given excellent results. I have some of your Majestic Tomatoes weighing 1 $\frac{1}{2}$ lbs. each. The Pharaoh's Dream Sweet Corn is without any doubt the finest corn I have ever seen; your Elmark Cucumbers are of the finest quality and enormously productive. I have a number of plants of the Gold Nugget Tomato bearing over 100 fruits on each plant. The fruit is of fine taste and very juicy when eaten raw. This tomato is the finest for preserves.—Mrs Geo. Barcia, Hannibal, Mo.

I have bought my seeds from you for over 25 years, and have no reason to find fault.—O. Burton, Sibley, Iowa.

Enclosed my order for seeds. I have purchased seeds from you for the past eight years, and find them just as advertised.—Mary F. Nicholson, New Virginia, Iowa.

DO NOT NEGLECT TO SEND FOR A FEW FLOWER SEEDS FOR YOUR WIFE.

WATERMELON.

One ounce is required for forty hills; three pounds will plant an acre.

A light, sandy soil, with good exposure to the sun, is the best for watermelons. It should be prepared deep, but receive shallow cultivation. Hoe often and thoroughly. Plant in hills 8 to 10 feet apart each way. Plant 8 to 10 seeds in a hill, and finally, when danger of insects is past, leave but three strong plants. Thousands of melon growers depend on us annually for their seeds and are universally pleased, claiming that nowhere have they ever obtained seed so pure and reliable. It pays to have the best. Packets contain about 100 seeds.

COLE'S EARLY.—Decidedly the finest early variety for the private garden, but is too brittle for long shipments. It is very early and will mature farther north than most other sorts. Of medium size, very productive, continuing to bear throughout the season. Flesh of bright red color, of granulated, sparkling appearance. In flavor it is lusciously sweet and refreshing. Pkt. 5c, oz. 10c, $\frac{1}{4}$ lb. 25c, lb. 75c.

PEERLESS, Or Ice Cream.—(White Seeded.) Of unquestionable quality, very early, of medium size, thin rind, flesh bright scarlet. Pkt. 5c, oz. 10c, $\frac{1}{4}$ lb. 20c, lb. 50c.

FORDHOOK EARLY.—A large early sort. From seeds planted May 10th, ripe melons were produced the last of July. The rind is tough, making it valuable for shipping. Color a uniform medium green; flesh red and very sweet. Pkt. 5c, oz. 10c, $\frac{1}{4}$ lb. 30c, lb. 85c.

PHINNEY'S EARLY.—One of the first to ripen, of good size and productive; shape oblong; rind a distinct mottled color; flesh of a deep red; quality fine. Pkt. 5c, oz. 10c, $\frac{1}{4}$ lb. 20c, lb. 60c.

BLUE GEM, Or Iceberg.—This remarkable new melon is one of the finest ever brought out, and by some has been called Blue Kolb Gem, but it is of infinitely better quality than the old Kolb Gem. Averages a better size, and with less culls. Is of dark bluish green color, bright red flesh and black seeds. Has rough rind, keeps longer and the quality is superior to most other varieties. Pkt. 5c, oz. 10c, $\frac{1}{4}$ lb. 30c, lb. 90c.

IMPROVED TRIUMPH.—Undoubtedly the largest of all melons, having been grown to the extraordinary weight of 1493 lbs. It is also very productive, as melons aggregating over 800 lbs. have been grown on

one vine. Isn't that enough to make the pickaninies dance, as shown in our picture? Governor Candler states that he "had one of the Triumph Melons weighing 132 lbs., which was sufficient to supply the 43 persons present with all they could eat." It is of dark green color, matures in good season; flesh is dark red, solid and of excellent quality. Pkt. 5c, oz. 10c, $\frac{1}{4}$ lb. 30c, lb. 90c.

C. B. Vail, the noted melon grower of Muscatine, Iowa, wrote us September 15, 1903: "We are sending a sample Triumph Melon to you to-day, weight 62 lbs. I have shipped several carloads of this variety this year which average nearly 50 lbs each."

GREEN AND GOLD.—Red fleshed melons are the most popular, but some consider the yellow finer. This variety is of large size, flesh as yellow as gold. Pkt. 5c, oz. 15c, $\frac{1}{4}$ lb. 50c, lb. \$1.50.



striped, flesh bright red, very juicy and delicious. It matures medium early, is very prolific and much larger than Kolb's Gem. A carload of 800 melons, averaging 43 pounds each, were gathered from $\frac{1}{2}$ of an acre. One grower writes that they produced ripe melons in 65 days from the time of planting. Everyone who has a place to grow melons should try this new, splendid variety. It has been grown to immense size, and even the largest specimens hold their good flavor. Pkt. 5c, oz. 10c, $\frac{1}{4}$ lb. 25c, lb. 85c.

MIXED.—25 varieties of the finest watermelons, the largest, earliest, sweetest; grown separately and seed carefully mixed by us. Pkt. 5c, oz. 10c, $\frac{1}{4}$ lb. 25c, lb. 75c.

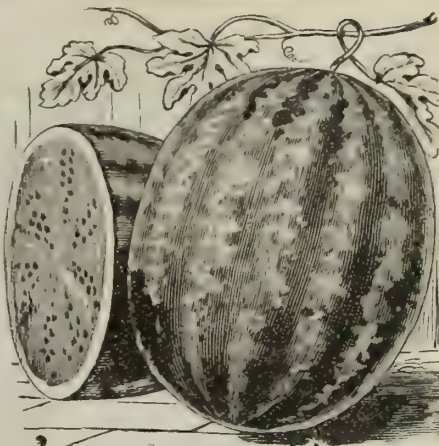
CITRON MELON.

Very nice for preserving and are largely used for this purpose.

APPLE PIE.—Best flavored of all. See novelties. Pkt. 10c.

COLORADO PRESERVING.—Pkt. 5c, oz. 15c, $\frac{1}{4}$ lb. 40c, lb. \$1.25.

RED SEEDED CITRON.—Pkt. 5c, oz. 10c, $\frac{1}{4}$ lb. 30c, lb. \$1.00.



COLE'S EARLY.

MONTE CRISTO, Or Kleckley's Sweets.—After testing all varieties of melons, we do not hesitate to pronounce this one of the sweetest, juiciest, most delicious melons in existence, and it is especially desirable for the private family. The skin is dark green, faintly striped; flesh bright red and peculiarly rich, crisp and pleasant flavored. It ripens early, is of large size, is a good shipper and long keeper. Market gardeners will also be pleased with it. Pkt. 5c, oz. 10c, $\frac{1}{4}$ lb. 25c, lb. 75c.

GYPSY, Or Georgia Rattlesnake.—A superior early market variety; large, oblong, the skin green, mottled and striped. Pkt. 5c, oz. 10c, $\frac{1}{4}$ lb. 20c, lb. 50c.

MOUNTAIN SWEET.—The old standard; best quality. Pkt. 5c, oz. 10c, $\frac{1}{4}$ lb. 25c, lb. 75c.

DIXIE.—A cross between Kolb's Gem and Mountain Sweet, surpassing the former in shipping qualities and fully equaling the latter in fine eating quality and flavor. It is early, has a remarkably thin, tough rind and will keep and ship well. The flesh is bright scarlet and of fine quality. Pkt. 5c, oz. 10c, $\frac{1}{4}$ lb. 20c, lb. 60c.

KOLB'S GEM.—This variety, on account of its excellent shipping qualities, is extensively grown for that purpose. Grows nearly round, and the color is a dark green with lighter narrow stripes.

Very thin and tough rind; flesh bright red and of good flavor. Our seed is choice. Pkt. 5c, oz. 10c, $\frac{1}{4}$ lb. 20c, lb. 50c.

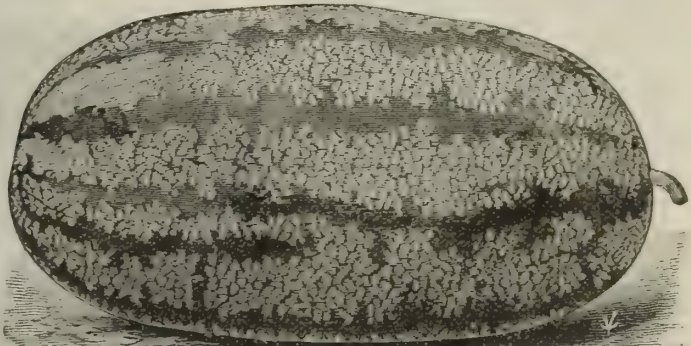
BLACK DIAMOND.—A cross between Kolb's Gem and Hoosier King. All that could be said of the Kolb's Gems as to good shipping qualities can be truthfully stated in a higher degree of the Black Diamond. All the praise of high quality bestowed on the Sweetheart can be repeated of our new melon, but its prominent point of merit is its large size and productiveness. Its color is a rich, dark green, almost black. Shape roundish to bluntly oval. Pkt. 5c, oz. 10c, $\frac{1}{4}$ lb. 25c, lb. 75c.

McIVER'S WONDERFUL SUGAR.—This is becoming the most famous melon for sweetness and high quality. The fruits are long and of large size, averaging about 35 lbs. each. It is considered one of the handsomest melons ever sent out, being rather light colored, irregularly striped and mottled with dark green. The rind is rather thin but tough, so that it is a good shipper. Flesh is delicate light red, entirely stringless and the most tender, juicy and luscious that can be imagined. The vine is a strong, vigorous grower, very prolific and withstands the extremes of weather, either wet or dry. Enthusiastic melon growers unite in pronouncing this the finest quality of any melon grown. Pkt. 5c, oz. 10c, $\frac{1}{4}$ lb. 25c, lb. 75c.

SWEETHEART.—Early, large, handsome, heavy, good shipper, long keeper, bright color and of good quality. Its vines are vigorous and productive, ripening the fruit early. The fruit is large, oval, very heavy, uniformly mottled light green and dark green; rind thin, but firm. The flesh is bright red, firm, solid but very tender, melting and sweet. Pkt. 5c, oz. 10c, $\frac{1}{4}$ lb. 20c, lb. 50c.

DUKE JONES.

—This magnificent large melon has a dark green rind, slightly



McIVER'S WONDERFUL SUGAR MELON.



Good onion seed is of the utmost importance as they are one of the most important crops grown, both in market and family gardens and there is no other vegetable where the quality of the seed exerts a greater influence upon the crop than onions. There is more money in onions grown from seed than almost any other crop. Fully realizing this, we have for many years made a specialty of onion seed which is all grown from choice, selected bulbs, critically examined before being set out for seed. In vitality it is very strong, being carefully tested, and we are sure that **OUR ONION SEED CANNOT BE EXCELLED** in purity, vitality or high quality. Large onions can easily be grown the first year from the seed by obtaining our American grown new crop onion seed. Our crop was good this year and prices are reasonable. In comparing our prices with others, remember that we pay the postage. Deduct ten cents per pound if to be sent by express. Ask for prices in large lots. Packets contain about one thousand seeds.

CULTURE.—One ounce will sow about 100 feet of drill; 4 pounds will sow one acre. The soil for onions should be a rich loam thoroughly enriched with well rotted manure and pulverized before sowing the seed. It should be as free from weeds and grass as possible. As early as the ground can be worked in the spring, sow the seed in drills 14 inches apart, covering one-half inch. Commence hoeing as soon as the rows can be seen. Skin the ground over the surface; avoid stirring deeply, and work the soil away from the bulbs. At second hoeing weed carefully and thoroughly by hand. When the tops die, pull and spread evenly over the ground; stir or turn until fully dried, then cut the tops one-half inch from the bulb. For pickles or sets the seed should be sown very thickly and in broad drills, about fifty pounds to the acre for sets, and 15 to 20 pounds for pickling. For sowing onion seed and cultivating the crop, it will pay you to purchase a good drill and hand cultivator. See description elsewhere. Lang's Hand Weeder, price 30c, postpaid, is the best hand weeder made. Try it. Book on Onions, 20c. New Onion Culture Book, 50c.

AUSTRALIAN BROWN.—A new, medium sized, wonderfully hard and solid variety of onion, and one which is quite attractive for the market, both in form and color. They are extremely early in ripening and produce a crop of fine bulbs which are very uniform in size. Color is a peculiarly clear amber-brown, quite distinct from any other variety. In keeping qualities it exceeds any other variety that we know of. Pkt. 5c, oz. 15c, $\frac{1}{4}$ lb. 40c, lb. \$1.00; 4 lbs. not prepaid, \$3.40.

YELLOW GLOBE DANVERS. A very handsome, round or globe-shaped variety of large size, with thin, yellow skin, white flesh, fine grained, mild, very firm and the best of keepers. It ripens early, sells readily at the highest prices in our markets. This is one of the best cropping varieties in existence, has yielded 1,000 bushels per acre, and one of our customers states that his crop averaged over 800 bushels per acre for 9 years. Pkt. 5c, oz. 10c, $\frac{1}{4}$ lb. 25c, lb. 85c; 4 lbs., not prepaid, \$2.80.

EXTRA EARLY BARLETTA.—This is a distinct new variety; the very earliest onion in cultivation. It is fully two weeks earlier than the Early White Queen, which heretofore has been the earliest variety on the market. They are of pure pear white color, very mild and delicate in flavor, $1\frac{1}{2}$ inches in diameter, and $\frac{3}{4}$ of an inch in thickness. For table use and pickling it is most valuable. Pkt. 5c, oz. 10c, $\frac{1}{4}$ lb. 50c, lb. \$2.00.

LARGE RED WETHERSFIELD.—The standard sort throughout the west, as they are the most hardy, and immense crops can be raised when more tender sorts are not profitable. Growers who prefer the red varieties will find this a magnificent strain, far surpassing the ordinary Red Wethersfield in size, productiveness and keeping qualities. Of the finest form, skin deep purplish red, flesh purplish white, finer grained than many of the red sorts. Our seed of this variety is extra select and cannot be excelled. Pkt. 5c, oz. 10c, $\frac{1}{4}$ lb. 25c, lb. 90c; 4 lbs., not prepaid, \$3.00.

SPECIAL PRICES.

As prices named above are subject to change, we request persons desiring to purchase a large quantity to write for Special Quotations.

GOLDEN GLOBE.—See novelties. Pkt. 10c, oz. 20c, $\frac{1}{4}$ lb. 65c, lb. \$1.75.

LARGE WHITE GLOBE SOUTHPORT. The handsomest market variety in existence, making beautiful, clean, pure silvery white bulbs of large, even size, globe shape, mild and pleasant flavor, and out-sells every other variety. It is comparatively a good keeper and undoubtedly the best white sort. Pkt. 5c, oz. 10c, $\frac{1}{4}$ lb. 50c, lb. \$1.75; 4 lbs., not prepaid, \$6.25.

EXTRA EARLY RED. Matures very early. Of medium size, flat shape, deep red in color; very close grained, solid and heavy. This will often form bulbs in cold and mucky soils where other varieties fail. It is recommended particularly for the north and northwest where the seasons are short and cool. In rich soils it frequently grows almost as large as the Large Red Wethersfield, ripening much earlier. Pkt. 5c, oz. 10c, $\frac{1}{4}$ lb. 30c, lb. 50c, 4 lbs., not prepaid, \$3.50.

WHITE PORTUGAL OR SILVER SKIN.

This is the standard white variety for general culture. The bulbs grow to good size, ripening early and quite evenly. It is a good keeper. The flesh is very mild and sweet, the thin skin a clear, silvery white, of very handsome appearance if the bulbs are gathered as soon as ripened, and carefully dried under shelter away from the strong sunlight. When seed is sown thickly, it makes bulbs of suitable size and most desirable for pickling. Pkt. 5c, oz. 10c, $\frac{1}{4}$ lb. 50c, lb. \$1.75; 4 lbs., not prepaid, \$6.50.

SOUTHPORT RED GLOBE.—This is a very handsome variety and is deserving of general cultivation. It is medium early (none of the perfectly globe-shaped onions are as early as the flat varieties), grows to a large size, skin deep red, flesh fine grained, mild and tender. Pkt. 5c, oz. 10c, $\frac{1}{4}$ lb. 35c, lb. \$1.10, 4 lbs., not prepaid, \$3.75.

ALLIED VEGETABLES.

If you like the onion flavor why not try some of the other vegetables of the same class; for some purposes they are superior. Notice Chives and Garlic on page 23, and look on page 11.



Big Onions.

For table use large onions are much preferable to small ones and they will also bring a better price on the market. The five varieties listed on this page are of immense size, splendid quality and yield wonderfully large crops. While they do not keep quite as well as some other kinds, still they are usually good till January or February.

THE FIVE GIANTS

One Packet Each of

Mammoth Prizetaker,
White Prizewinner,
Copper King,
Giant Vesuvius, and
Silver King.

FOR ONLY 25 CENTS

With each of these "Five Giant" collections we will send a circular giving full directions "For Growing Big Onions."

MAMMOTH PRIZE TAKER—(See cut No. 1.) This is without doubt the largest, handsomest, finest flavored, and in every way the best variety of yellow onion in the world. It is admittedly the largest of all varieties, having been grown to the enormous weight of over six pounds, and is withal a handsome, fine-flavored sort. Of a clear, bright straw color, and uniform, perfect globe shape. Produces enormous crops, one report being over 1,200 bushels per acre, and they bring an extra price, being sold on the market as fancy onions. Keeps wonderfully well. Our seed is unexcelled, and is in great favor with our customers in all parts of the United States. They ripen up hard and firm, and present the handsomest possible appearance in market, while the pure, white flesh is fine grained, mild and delicate in flavor. To grow the largest size sow seed early in hotbeds and transplant to open ground as soon as weather is favorable. Pkt. 5c, oz. 15c, $\frac{1}{4}$ lb. 30c, lb. \$1.00; 4 lbs., not prepaid, \$3.50.

COPPER KING, or MAMMOTH POMPEII—(No. 2.)—Have been grown to the enormous weight of five pounds and six ounces, and notwithstanding their large size they retain their shape and fine quality. To obtain an idea how large this really is, just weigh the largest onion you can obtain and compare weights, or weigh out five pounds and six ounces of common onions and imagine them all in one. Copper color, flesh pure white, fine grained and mild. Pkt. 5c, oz. 20c, $\frac{1}{4}$ lb. 60c, lb. \$1.75.

MAMMOTH SILVER KING—(No. 3.)—This giant sort is the largest of all white onions, no other white variety approaching its mammoth size. It is of attractive form, flattened, but thick through, as shown in the illustration. Single bulbs often attain weights of from 2 $\frac{1}{2}$ to 4 lbs. each. The skin is a beautiful silvery white; the flesh a snowy white; so sweet and tender is the flesh that it can be eaten raw like an apple. Matures early and is of uniformly large size and perfect form, and consequently will bring a large price in the market. Pkt. 5c, oz. 15c, $\frac{1}{4}$ lb. 50c, lb. \$1.75.

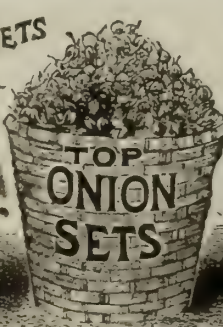


GIANT VESUVIUS—(No. 4.)—This grand new mammoth variety is a foreign sort. It is well shown by our illustration. In rich soil, under good cultivation, they grow to an immense size the first year. They are of a handsome globe shape, somewhat elongated, veritable beauties, and will attract attention anywhere. Color almost a blood red, flesh nearly white, quality most excellent; much more tender and mild than the American sorts. Pkt. 10c, oz. 20c, $\frac{1}{4}$ lb. 70c, lb. \$2.25.

MAMMOTH WHITE PRIZE WINNER—In magnificent shape and enormous size, the White Prize Winner is the exact counterpart of the Mammoth Yellow Prizetaker, which has become so popular in the last few years, differing only in its handsome silvery white skin. Hundreds of market gardeners and onion growers have tried it, and say that no other white onion equals it. One enthusiastic grower says: "I raised a White Prize Winner measuring 17 inches in circumference and weighing over 4 pounds, which astonished my neighbors and took first prize at our county fair." Pkt. 10c, oz. 25c, $\frac{1}{4}$ lb. 75c, lb. \$2.50.

We offer a **\$10.00** FOR THE LARGEST ONION grown this year prize of... from seed purchased direct from us. The mammoth varieties we list on this page may compete. Reports must be in by October 15th. The prize last year was won by Abel Steele, Ferguson, Ont. Weight 2 $\frac{1}{4}$ lbs.

BOTTOM ONION SETS



POTATO ONION SETS



Onion Sets.

Indispensable for early onions for bunching, as in a very few weeks they are ready for the table. While it is much cheaper to grow onions from seed, still it is considerable work to keep them weeded, and many of our customers who have only a small garden, prefer to grow them from the sets and gardeners plant sets for the early market. Our stock is carefully grown and very nice. Price by pt. and qt. include postage (deduct 15c per qt. if by express). Price by the pk. or bu. is subject to market variation, and shipped at buyer's expense. Top sets are sold 23 lbs. per bu.; other kinds 32 lbs. per bu. or stroke measure on all small lots. If you want a large lot write for prices.

YELLOW BOTTOM SETS—Like the White, except color. More used than any other kind. Pt. 15c, qt. 30c; not prepaid, pk. 75c, bu. \$2.50.

RED BOTTOM SETS—Like above, except that they are of dark red color. Very hardy. Pt. 15c, qt. 30c; not prepaid, pk. 85c, bu. \$2.75.

WHITE MULTIPLIER ONION SETS—Pure silvery white; frequently producing as many as twenty bulbs in a single cluster from one bulb; excellent quality; very early. Pt. 20c, qt. 40c; not prepaid, pk. \$1.25.

RED TOP or BOTTOM SETS—Still largely called for in some sections. Pt. 20c, qt. 30c; not prepaid, pk. 90c, bu. \$3.00.

WHITE BOTTOM SETS—White onion sets grown from seed are the most popular and best for early use and large onions. Pt. 20c, qt. 30c, postpaid; not prepaid, pk. 90c, bu. \$3.00.

POTATO, or MULTIPLIER ONION SETS—Early cropper; matures quickly; mild flavor. Pt. 20c, qt. 35c; not prepaid, pk. \$1.10, bu. \$3.75.

PERENNIAL, or WINTER SETS—Also called Egyptian or Tree onions. Usually set in the fall; produces the earliest spring onions without winter protection. Pt. 30c, qt. 25c; not prepaid, pk. 60c, bu. \$2.00.

JOHN SHAW, OF FAIRPORT, KAN., SAYS: "I grew some Onions from your seed weighing four pounds each."

PEAS.

One quart will plant about 100 feet of drill; 2 to 3 bushels per acre

Peas mature quickest in light, dry soil, not too rich. May be sown as early as the ground can be worked, and for a succession every two weeks up to July, or what is better, select several kinds which will form a succession in maturing. Sow in drills two to four feet apart, according to varieties, and 3 or 4 inches deep for general crop, although the first earlies will come to maturity sooner if only covered 1½ inches. Wrinkled sorts are marked*. They should be sown thicker in the row than the smooth varieties, as they are more liable to rot if the ground is wet.

Prices include postage. Pints at one-half the quart rates. 15c per qt. discount if sent by exp. Packets contain about 2 ounces.

IOWA CHALLENGE.—An extra early variety of superior merit which is a favorite with Des Moines market gardeners. We can in confidence say that after a trial of nearly all extra early varieties offered to the trade we have not found one possessing more merit, hence its name. For the market gardener it has no superior. It is not only extra early and prolific, but it is of good flavor. All the good qualities of the Extra Early are most nearly brought to perfection in the Challenge. Vines 18 inches. Pkt. 5c, ½ pt. 15c, qt. 45c. By exp. ½ pk. \$1.00, pk. \$1.75.

PREMIUM GEM.—Height 1 foot; early and prolific; a type of and an improvement on the McLean's Little Gem. Pods long and of dark green color. The most popular sort for family use. Pkt. 5c, ½ pt. 12c, qt. 40c. By express, ½ pk. 90c, pk. \$1.50.

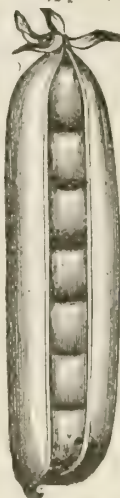
GRADUS, or Prosperity.—One of the finest peas for family use; medium early, of robust growth, 2½ feet high; large pods filled with luscious sweet peas; would be very popular except for the high price. Pkt. 1c, ½ pt. 20c, qt. 50c. By express, ½ pk. \$1.65, pk. \$2.75.



***AMERICAN WONDER.**—The most popular extra early variety for the family garden. Being very sweet it cannot be planted quite as early as smooth sorts as it will not stand as much cold, wet weather but it is far superior to the extra early, smooth sorts in flavor and table qualities. Of dwarf and robust habit, growing about 10 inches high it produces a profusion of good-sized, well-filled pods fairly packed with the finest flavored peas. Pkt. 5c, ½ pt. 15c, qt. 45c. By exp. ½ pk. \$1.00, pk. \$1.85.

ALASKA.—Height two feet, pods rather small, dark green color, well filled, the earliest pea known, being two days earlier than the Rural New Yorker, and ninety per cent of the pods can be gathered at the first picking. Pkt. 5c, ½ pt. 12c, qt. 40c. By express, ½ pk. 75c, pk. \$1.25.

FIRST AND BEST.—A standard first early variety popular with gardeners in all parts of the country. This variety is perhaps more largely grown by market gardeners for first early than any other. Crop is very short this year. Pkt. 5c, ½ pt. 12c, qt. 40c. By express, ½ pk. 85c, pk. \$1.50.



DWARF CHAMPION.

***NOTT'S EXCELSIOR.**—A superb new variety, and we are sure our customers will welcome it as an ideal family market pea. It is fully as sweet and delicious as the American Wonder, and grows one-half taller. Pods are larger and it is far more productive than the Premium Gem, and it is within a day or two as early as the first early smooth peas. Mr. George Buchanan writes: "I found these peas a very distinct, pure sort, with many marked excellencies over the American Wonder, Premium Gem, Advanceer, Etc. The peas were ready for table use within forty-three days from planting." Quality very superior. Pkt. 5c, ½ pt. 15c, qt. 55c. By express, ½ pk. \$1.25, pk. \$2.10.

***IMPROVED STRATAGEM.**—Late variety for family or market use. Half dwarf, vigorous, branching habit, and under favorable conditions an enormous cropper. Pods long and filled with seven to nine large peas of extra fine quality. Pkt. 5c, ½ pt. 15c, qt. 50c. By express, ½ pk. \$1.00, pk. \$1.75.

MAMMOTH LUSCIOUS SUGAR.—This new sugar pea bears pods much larger than any other variety, often six or seven inches long, and an inch and one-half broad.

FIELD PEAS.—See list of Miscellaneous Field Seeds.

***EVERBEARING.**—Height two feet, late to very late; hardy, vigorous, enormous cropper, pods and peas of large size and good quality. Pkt. 5c, ½ pt. 12c, qt. 40c. By express, ½ pk. 75c, pk. \$1.25.

***ABUNDANCE.**—A standard medium early sort. Large and productive. Pkt. 5c, ½ pt. 15c, qt. 45c. By express, ½ pk. 85c, pk. \$1.50.

***CHAMPION OF ENGLAND.**—One of the richest, best flavored peas grown. Pkt. 5c, ½ pt. 12c, qt. 35c; exp. ½ pk. 6c, pk. \$1.15.

***JUNO.**—This is considered by many by far the best wrinkled pea of its class to-day. It has very robust vines; stout, straight pods, usually horned in pairs. The pods are very thick, broad-backed all the way up and filled from the stem to the tip with seven to nine sweet, delicious, dark green peas of immense size. Its height is two feet, its season from medium early to main crop. Pkt. 5c, ½ pt. 15c, qt. 50c. By express, ½ pk. \$1.00, pk. \$1.75.

DWARF WHITE MARROW.—An improvement on the old Large White Marrowfat. Pkt. 5c, ½ pt. 10c, qt. 35c. By express, ½ pk. 50c, pk. 90c.

BLACK-EYED MARROWFAT.—Is grown largely by gardeners; also sown as a field pea for stock. Pkt. 5c, ½ pt. 10c, qt. 35c. By express, ½ pk. 60c, pk. \$1.00.



NOTT'S EXCELSIOR

PARSNIP.

One ounce will sow 200 feet of drill; 5 lbs. to an acre.

Sow early in spring in good rich soil, which has been plowed deep, in drills 15 inches apart, covering half an inch. Thin to five or six inches apart in rows. They are improved by frost.

IMPROVED TABLE GUERNSEY.—A greatly improved and wonderfully fine strain of the Guernsey Hollow Crown Parsnip. The roots do not grow as long as the Hollow Crown, but are of greater diameter and more easily gathered. A very heavy cropper; the roots are smooth, with a deep hollow crown and a small top. The flesh is fine grained, sweet and of excellent quality; cooks evenly all the way through to the center which is as fine, soft and even quality as outside portions. Pkt. 5c, oz. 10c, $\frac{1}{4}$ lb. 25c, lb. 60c.

HOLLOW CROWN, or LONG SUGAR.—The old standard. Pkt. 5c, oz. 10c, $\frac{1}{4}$ lb. 20c, lb. 40c.

PARSLEY.

One ounce will sow 150 feet of drill.

Sow in March thinly in drills one foot apart and half an inch deep. Soak seed in warm water a few hours before sowing. For winter use protect in a glass frame or light cellar.

MARKET GARDENER'S.—An extra choice



PARSNIP.

stock with dark green beautifully curled mossy leaves, very ornamental in its growth and very productive. Valuable for either garnishing or flavoring. Earlier than other varieties and what is more important it retains its dark green color late in the fall and continues to produce well throughout the winter when transferred to the greenhouse. Pkt. 5c, oz. 15c, $\frac{1}{4}$ lb. 50c.

CHAMPION MOSS CURLED.—A very select stock, most beautifully crimped and curled. Pkt. 5c, oz. 10c, $\frac{1}{4}$ lb. 25c, lb. 65c.

HAMBURG.—Turnip rooted variety, used for flavoring soups, etc. Pkt. 5c, oz. 10c, $\frac{1}{4}$ lb. 20c, lb. 60c.



MARKET GARDENER'S PARSLEY.

PEPPER.

One ounce will produce about 1,800 plants.

Sow seed in hotbed early in spring; transplant to open ground when the weather is favorable, in warm, mellow soil, in rows 18 inches apart. Seeds germinate slowly, and require considerable heat. Packets contain about 600 seeds.

KALEIDOSCOPE.—A beautiful new variety, the plant when loaded with fruit being very ornamental, as the fruit differs so greatly in color. The fruit is of a yellowish cream color, and then changes to canary, then deepens to orange, then turns into pink until it becomes a deep, shining scarlet. The fruit is of the size of a plum. Pkt. 10c, oz. 35c.

RUBY KING.—Very large size, $\frac{1}{4}$ to 6 inches long by $\frac{3}{4}$ to 4 inches thick. When ripe they are of a beautiful bright ruby red color and are always remarkably mild and pleasant to the taste. Produces large, handsome fruits. Pkt. 5c, oz. 20c, $\frac{1}{4}$ lb. 65c.

MAMMOTH GOLDEN QUEEN.—Average a third larger than Ruby King. Eight to ten inches long. Bright, waxy, golden yellow, and mild flavor. Pkt. 5c, oz. 25c, $\frac{1}{4}$ lb. 80c.

JAPANESE FANCY.—A very ornamental variety bearing little heart-shaped fruits of various colors, purple, white, yellow, orange and red all on the same bush. Pkt. 10c.



RUBY KING PEPPER.

CORAL GEM BOUQUET.—This new red hot pepper is the finest of the smallest sized varieties. Excellent for pepper sauce. Pkt. 10c, oz. 50c, $\frac{1}{4}$ lb. \$1.60.

RED CHILI.—Small, very hot. Used for pepper sauce. Pkt. 5c, oz. 20c, $\frac{1}{4}$ lb. 60c.

LARGE BELL, or Bull Nose.—An early standard sort. Pkt. 5c, oz. 15c, $\frac{1}{4}$ lb. 50c.

SWEET MOUNTAIN, or Mammoth.—Similar to the above, but milder. Pkt. 5c, oz. 20c, $\frac{1}{4}$ lb. 65c.

RED CAYENNE.—Pkt. 5c, oz. 25c, $\frac{1}{4}$ lb. 9c.

PUMPKIN.

One ounce will plant 25 hills; 4 pounds will plant one acre.

The best, most enterprising and most prosperous farmers put in a crop of pumpkins every year. They can be grown separately or with corn or potato crop and do not seem to interfere in the least. They are valuable for feeding to stock, and what is a fair without pumpkins, or a Thanksgiving dinner without pumpkin pie! Planted with corn, two pounds will plant one acre.

NEW ATLAS.—See Novelties. Pkt. 10c.

YANKEE PIE.—This is the noted New England Pie or Small Sugar Pumpkin. Same shape and color as the Connecticut Field but smaller, very sweet, fine grained and one of the best varieties for table use. We have sold this to thousands of customers in all parts of the country and it pleases everyone for making pies. Early Pkt. 5c, oz. 10c, $\frac{1}{4}$ lb. 25c, lb. 75c.

WHITE CUSHAW, or Jonathan.—Attractive and sells better than the old green striped sort. A large, bottle-shaped variety. Pkt. 5c, oz. 10c, $\frac{1}{4}$ lb. 25c, lb. 75c.

LARGE CHEESE, or Improved Kentucky Field.—Large, round, flattened fruits with creamy buff skin. Thick fine flesh. Called Sweet Pumpkin. Pkt. 5c, oz. 10c, $\frac{1}{4}$ lb. 20c, lb. 65c.

CALHOUN.—A great improvement on the Large Cheese pumpkin. Color creamy brown, flesh deep salmon yellow, fine grained, while seed cavity is very small. Rind thin. When cooked it is very yellow and makes pies of a rich color, sweet and of the finest quality. Recently re-named by one dealer the "New Thanksgiving Pumpkin." Pkt. 5c, oz. 10c, $\frac{1}{4}$ lb. 20c, lb. 75c.

MAMMOTH ETAMPES.—A giant variety from France. Bright red color. Pkt. 5c, oz. 15c, $\frac{1}{4}$ lb. 45c, lb. \$1.60.



KING OF MAMMOTHS.—The largest variety of true pumpkins. The flesh and skin are of a bright golden yellow, fine grained and of good quality. We know of one specimen that reached the enormous weight of 245 pounds. One customer writes us that he grew one that weighed 158 pounds, and on the same vine had five other pumpkins from 90 to 104 pounds each in weight—over 640 pounds grown from one seed. Farmers and gardeners, just think of that kind of a crop! Will it not pay you to grow the King of Mammoths and exhibit them at your county fair? Our seed is from select specimens. Pkt. 5c, oz. 15c, $\frac{1}{4}$ lb. 40c, lb. \$1.25.

TRY THE COLLECTION OF

Mammoth Pumpkins

ONE PACKET EACH

New Atlas, Mammoth Tours
King of Mammoths,
And Mammoth Etampes,

ONLY 20 CENTS.

A PRIZE OF \$10.00 will be paid for the largest pumpkin grown from our seed this year. The report to be sent in not later than October 15. Full directions for growing large specimens sent with each collection. The prize last year was won by Peter Oachs, Mapleton, Minn., weight 212 $\frac{1}{4}$ lbs.

MAMMOTH TOURS.—Also called Mammoth Whale. Originated near Tours, France, where it is largely grown both for feeding cattle and table use. Grows to an immense size, sometimes three feet in length and to a weight of 100 to 200 lbs. Flesh of a salmon color. Seed of a peculiar shape. Pkt. 5c, oz. 10c, $\frac{1}{4}$ lb. 30c, lb. \$1.00.

JAPANESE PIE.—This is similar in size and form to the well-known Cushaw, but the skin is deep green, with darker stripes, turning to yellow as fruit ripens, earlier than any other pumpkin; seeds marked with curious indentations. Flesh very thick. A rich salmon color, nearly solid, dry and sweet, making rich pies without eggs. Pkt. 5c, oz. 15c, $\frac{1}{4}$ lb. 50c, lb. \$1.60.

CONNECTICUT FIELD.—The common field or cow pumpkin, called by some seedsmen the "Big Four." Our seed is extra nice being saved from select specimens. If you have any live stock to feed it will pay you to put in a few acres of these. Per oz. 5c, $\frac{1}{4}$ lb. 15c, lb. by mail 40c. By express or freight, 10 lbs. \$2.75, bushel of 25 lbs. \$5.50.



KING OF MAMMOTHS PUMPKIN.

PLEASE YOUR WIFE BY ORDERING SOME FLOWER SEEDS OR PLANTS FOR HER.

RADISH.

One ounce will sow one hundred feet of drill;
Eight to ten pounds will sow one acre in drills.

Radish seed should be sown in light, rich soil as early as the ground can be worked, and for a succession, at intervals of two weeks until midsummer. Radishes must be grown quickly and have plenty of room or they will invariably be tough and pithy. Sow in drills one foot apart and thin to two or three inches apart as soon as the rough leaves appear. Most of our radish seed was grown for us in France, "the natural home of radishes," and we think it cannot be surpassed.

CRIMSON GIANT FORCING.—See novelties. Pkt. 5c, oz. 15c, $\frac{1}{4}$ lb. 50c.

SCARLET GEM.—See novelties. Pkt. 5c, oz. 15c, $\frac{1}{4}$ lb. 40c, lb. \$1.25.

NEW TRIUMPH.—See novelties. Pkt. 5c, oz. 15c, $\frac{1}{4}$ lb. 40c, lb. \$1.25.

EARLY SCARLET GLOBE.—The most popular variety for hotbeds and forcing, as it is the earliest of all. Of handsome color; crisp, juicy and tender. It forms small top and will stand a great amount of heat without becoming pithy. Its fine shape, well illustrated by the accompanying engraving, makes it sell for a higher price and more rapidly than any other shaped sort. Pkt. 5c, oz. 10c, $\frac{1}{4}$ lb. 25c, lb. 70c.

WHITE LADY FINGER.—An improvement on White Naples, or Vienna. Large, white, crisp variety, about as long as Long Scarlet, similar shape. Very desirable sort. Pkt. 5c, oz. 10c, $\frac{1}{4}$ lb. 20c, lb. 60c.

NON PLUS ULTRA.—An improvement on the Deep Scarlet Turnip. Remarkably fine in quality, of very quick growth and ready to pull within 20 days after sowing. Pkt. 5c, oz. 10c, $\frac{1}{4}$ lb. 25c, lb. 75c.

FRENCH BREAKFAST.—Of a medium size, olive-shaped, with small top, of quick growth; beautiful scarlet color shading to white. Pkt. 5c, oz. 10c, $\frac{1}{4}$ lb. 20c, lb. 60c.

ROUND SCARLET CHINA, or China Globe.—A handsome new variety of medium size, bright scarlet color and globe shape; grows rapidly; flesh is pure white, crisp, brittle, and of most agreeable flavor. When sown late make an excellent winter sort and keep well. Pkt. 5c, oz. 15c, $\frac{1}{4}$ lb. 45c, lb. \$1.25.

EARLY LONG SCARLET SHORT TOP.—An old standard variety; quick growth, long, slender roots. Pkt. 5c, oz. 10c, $\frac{1}{4}$ lb. 20c, lb. 60c.

IMPROVED CHARTER.—Roots are long and cylindrical, scarlet rose above, shading into pure waxy white at the tip. Flesh is white, crisp and mild flavored. Stands hot weather well. Pkt. 5c, oz. 10c, $\frac{1}{4}$ lb. 20c, lb. 60c.

ALL SEASONS, or Celestial.—Of great value as a summer and fall sort, keeping quite well also for winter use. Large, ivory white roots of excellent quality. Pkt. 5c, oz. 10c, $\frac{1}{4}$ lb. 25c, lb. 75c.



EARLY SCARLET GLOBE.

MODEL WHITE BOX.—Of most handsome shape, very early and has but few leaves, thus making it of special value for growing in hotbeds or boxes, and one-third more radishes can be grown in the same space than with most other sorts. It is of a clear white color, solid, juicy, and unsurpassed in flavor. Pkt. 5c, oz. 10c, $\frac{1}{4}$ lb. 25c, lb. 75c.

CINCINNATI MARKET.—A most excellent long radish of glossy brilliant scarlet color, having unusually small top. It is undoubtedly the best long red radish for forcing, and will outsell any other on the market. Pkt. 5c, oz. 10c, $\frac{1}{4}$ lb. 20c, lb. 60c.

WHITE STRASBURG.—Of a handsome, oblong, tapering shape, both skin and flesh are pure white. The flesh is firm, brittle and tender and retains its crispness even if old and large. Excellent for summer use. Pkt. 5c, oz. 10c, $\frac{1}{4}$ lb. 20c, lb. 60c.

EARLY SCARLET TURNIP.—A small, round, red, turnip-shaped radish, with small top and of quick growth. Pkt. 5c, oz. 10c, $\frac{1}{4}$ lb. 20c, lb. 50c.

WOOD'S EARLY FRAME.—Smaller and considerably earlier than Long Scarlet, which it very much resembles. Pkt. 5c, oz. 10c, $\frac{1}{4}$ lb. 20c, lb. 50c.

GOLDEN DRESDEN.—A little beauty, with golden brown skin, white flesh, crisp, juicy and of finest flavor. One of the quickest growing sorts, tops small, admitting of close planting. Pkt. 5c, oz. 10c, $\frac{1}{4}$ lb. 30c, lb. 90c.

NEW ICICLE.—A splendid long variety of almost transparent whiteness. Produces nice roots in 22 days from date of sowing, and it continues in prime condition for a long period, so that from one sowing of seed nice, crisp radishes may be had from spring until midsummer. Pkt. 5c, oz. 10c, $\frac{1}{4}$ lb. 30c, lb. 85c.

CHINA ROSE WINTER.—Bright rose colored, winter variety. Pkt. 5c, oz. 10c, $\frac{1}{4}$ lb. 20c, lb. 60c.



MODEL WHITE BOX.

ROSY GEM.—A handsome globe shaped variety of rosy scarlet, shading to pure white at tip. Pkt. 5c, oz. 10c, $\frac{1}{4}$ lb. 20c, lb. 60c.

CALIFORNIA MAMMOTH WHITE.—Grown extensively by Chinese in California; 8 to 12 inches long, 2 to 3 inches thick; white, solid and of good quality. Pkt. 5c, oz. 10c, $\frac{1}{4}$ lb. 25c, lb. 80c.

LONG BLACK SPANISH.—A large, black skinned radish, with firm, white flesh of pungent flavor. A good keeper, lasting till spring. Pkt. 5c, oz. 10c, $\frac{1}{4}$ lb. 20c, lb. 60c.

IOWA SEED CO'S RADISH MIXTURE.—A superb mixture of all kinds of radishes, early, medium, fall, winter, Chinese, etc. Sow a row of it and it will furnish you delicious radishes throughout the year. The early and medium ones as they mature and are pulled, make room for the larger growth of the fall and winter varieties. Pkt. 5c, oz. 10c, $\frac{1}{4}$ lb. 25c, lb. 75c.



GOLDEN DRESDEN.



NEW ICICLE.

OUR IMPROVED VARIETIES OF RADISH SEED ARE THE BEST AT ANY PRICE.

SALSIFY==Vegetable Oyster.

One ounce will sow 50 feet of drill.

Why don't you grow salsify? We are certain if you grow it one year you would never be without it. Salsify is one of the most delicious and nutritious of vegetables, and should be more generally cultivated for use in winter, when the supply of really good vegetables is so limited. It has the true oyster flavor, and makes a delicious and inexpensive substitute for them in soup, etc. Cultivate like parsnips.

MAMMOTH SANDWICH ISLAND—Average fully double the size of the old Long White. Roots are white, smooth, and notwithstanding their enormous size, are of superior quality. Pkt. 5c, oz. 15c, $\frac{1}{4}$ lb. 40c, lb. \$1.20.

WISCONSIN GOLDEN—A most distinct and valuable new sort of strong, vigorous growth. The roots are large, smooth and have a decided yellow cast which gives it its name. They cut smooth and even throughout, unusually brittle and never stringy. When prepared for the table they are very rich, tender and delicious in flavor. Pkt. 5c, oz. 20c, $\frac{1}{4}$ lb. 60c, lb. \$1.75.

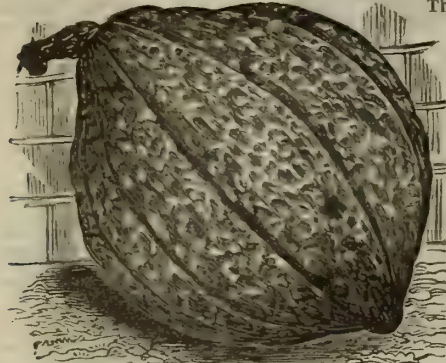
I was very well pleased with the squashes which I raised from your seeds last year. They matured well though planted very late.—Frank Blanchard, Port Allegany, Pa.



WISCONSIN GOLDEN SALSIFY.

SQUASH.

Plant about the middle of spring in hills, the early sorts four to six feet apart, the late varieties eight to twelve. Thin to three plants in the hill. The soil cannot be too rich. Use Slug Shot to kill the bugs.



EARLY PROLIFIC MARROW.

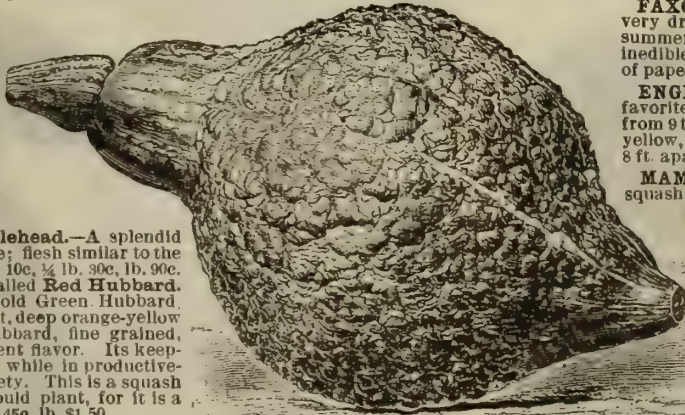
TRUE HUBBARD—This old variety has for years stood the test of all rivals, and is the most popular winter squash grown; hard, green shell; flesh bright orange yellow, fine grained, very dry, sweet and of rich flavor; keeps in perfect condition throughout the winter. Pkt. 5c, oz. 10c, $\frac{1}{4}$ lb. 30c, lb. \$1.00.

WARTY HUBBARD—A new strain of the Hubbard. The wartiness indicates a very hard shell, which is one of the best features of a long keeping squash. It also denotes extra choice quality—the harder and more warty the shell of a Hubbard, the more delicate and sweet the flesh. The flesh, however, is not so thick as the old Hubbard. Pkt. 5c, oz. 10c, $\frac{1}{4}$ lb. 35c, lb. \$1.25.

BLUE HUBBARD, or Marblehead—A splendid winter variety. Shell light blue; flesh similar to the Hubbard in quality. Pkt. 5c, oz. 10c, $\frac{1}{4}$ lb. 30c, lb. 90c.

GOLDEN HUBBARD, also called Red Hubbard.—This is a counterpart of the old Green Hubbard, except in color, which is a bright, deep orange-yellow much richer in color than Hubbard, fine grained, cooks very dry, and is of excellent flavor. Its keeping qualities are fully equal to, while in productiveness it far exceeds the green variety. This is a squash that every market gardener should plant, for it is a "seller." Pkt. 5c, oz. 15c, $\frac{1}{4}$ lb. 45c, lb. \$1.50.

GIANT SUMMER CROOKNECK—This is a great improvement on the early Bush Crookneck as it is just as early; often 18 to 20 inches long; a beautiful bright yellow. Pkt. 5c, oz. 10c, $\frac{1}{4}$ lb. 30c, lb. \$1.00.



TRUE HUBBARD.

SPINACH.

One ounce will sow about 80 feet of drill; 10 lbs. to the acre.

The finest "greens" of any plant in cultivation. For summer sow early in spring in deep, rich soil, in drills one foot apart; cover one inch. Sow at intervals of two weeks throughout the season. For very early spring use, sow the winter varieties first of September, protect by covering with straw. Packets contain about 800 seeds. By express, 5 lbs. \$1.25.

NEW VICTORIA—This new variety is distinguished for its exceedingly dark black-green color, and also for its very long standing qualities, being from two to three weeks later than the ordinary varieties. The leaves are thick and spread out flat upon the ground. It is excellent for spring sowing, but not sufficiently hardy to stand the winter in this locality. Pkt. 5c, oz. 10c, $\frac{1}{4}$ lb. 20c, lb. 35c.

NEW ZEALAND—Very useful to supply the place of the ordinary spinach during the hottest months of the year, or in dry, arid localities. A great acquisition and the most valuable of all for either the market or family garden. One plant will cover a space of ground 3 or 4 feet square. A few plants will supply a family with this delicious vegetable from July to October. Pkt. 5c, oz. 10c, $\frac{1}{4}$ lb. 30c, lb. \$1.00.

LONG STANDING—Standard with gardeners, leaves thick, fleshy and crumpled, round, large and of a dark green color; slow to run to seed. Pkt. 5c, oz. 10c, $\frac{1}{4}$ lb. 15c, lb. 35c.

PRICKLY, or Winter—A very hardy variety, needs only a slight protection of leaves or straw; used for fall sowing. Pkt. 5c, oz. 10c, $\frac{1}{4}$ lb. 20c, lb. 40c.

BLOOMSDALE—A Savoy-leaved curled variety. Pkt. 5c, oz. 10c, $\frac{1}{4}$ lb. 20c, lb. 35c.



VICTORIA SPINACH.

HESTER—See novelties. Pkt. 10c, oz. 25c.

GOLDEN BUSH—An improvement on the old Yellow Bush Scallop or Patty Pan. The earliest of all. Pkt. 5c, oz. 10c, $\frac{1}{4}$ lb. 20c, lb. 65c.

WHITE BUSH SCALLOPED—Similar to the Golden Bush. Color creamy white; an excellent variety for the family garden for early use. Pkt. 5c, oz. 10c, $\frac{1}{4}$ lb. 25c, lb. 75c.

EARLY BUSH CROOKNECK—Splendid sort, early, productive, very fine quality. With all the new varieties recently brought out, many claim that there is no summer squash superior to this. Pkt. 5c, oz. 10c, $\frac{1}{4}$ lb. 20c, lb. 65c.

PERFECT GEM—Is a strong grower, as many as twenty-four squashes having been produced on a single vine. The squashes are from four to six inches in diameter; of a creamy white, with thin, smooth shell, slightly ribbed. The flesh, when cooked, is dry, sweet and rich in flavor. It is a splendid keeper. Pkt. 5c, oz. 10c, $\frac{1}{4}$ lb. 25c, lb. 85c.

EARLY PROLIFIC MARROW—Early and productive, the two most important features for the market gardener, while its attractive color—brilliant orange red—good cooking and keeping qualities, make it popular with the consumer. Pkt. 5c, oz. 10c, $\frac{1}{4}$ lb. 25c, lb. 85c.



FAXON—Flesh deep orange yellow, sweet, very dry, matures early; can be used as a summer squash. When cooked the shell or inedible part is only about as thick as a sheet of paper. Pkt. 5c, oz. 10c, $\frac{1}{4}$ lb. 25c, lb. 75c.

ENGLISH VEGETABLE MARROW—A favorite English sort. Fruit varies in size from 9 to 18 inches in length. Skin is greenish yellow, flesh white, soft and rich flavor. Plant 8 ft. apart. Pkt. 5c, oz. 15c, $\frac{1}{4}$ lb. 50c, lb. \$1.50.

MAMMOTH CHILL—The "Jumbo" of the squash family. The form is round, flattened at both stem and blossom end. The outer color is a rich orange yellow; skin is quite smooth with wide fissures. Flesh very thick and of a rich yellow color. Good quality; keep well throughout the entire winter, and are profitable to grow for stock feeding. Pkt. 5c, oz. 15c, $\frac{1}{4}$ lb. 50c, lb. \$1.50.

ALEXANDRIA—A good winter variety 10 to 15 inches in length, smooth with hard shell. A rapid, vigorous grower, producing a large number of fruits which can be used any time during season. Pkt. 5c, oz. 10c, $\frac{1}{4}$ lb. 25c, lb. 75c.

RHUBARB, HORSE-RADISH, ASPARAGUS, HERBS, ETC., SHOULD BE IN EVERY GARDEN.

TOMATO.

One ounce will produce about 2,500 plants.

Sow early in hotbeds or seed boxes and when plants have four leaves transplant to four or five inches apart. Give plenty of air and endeavor to secure a vigorous growth. When all danger of frost is past transplant to the open ground, four to six feet apart each way. Well manured, light, sandy soil is best, but it must be remembered that a surplus of manure stimulates leaf growth to the detriment of fruit. Through long years of selection we have now a stock of tomato seed which is far superior to that of most other dealers. Our packets contain from 500 to 1,000 seeds.

GOLDEN NUGGET.—Described on cover of Catalogue. Pkt. 10c, oz. 35c.

MAJESTIC.—The largest and finest variety. See illustration and description on back cover of catalogue and be sure to try it this year. Pkt. of 100 seeds 15c

SPARK'S EARLIANA.—The earliest large variety. Described with novelties Pkt. 10c, oz. 30c.

BOND'S EARLY MINNESOTA.—This handsome new variety is, we believe, the earliest in existence. Vines vigorous with rather small leaf. When quite small begin producing fruits which are of fair size, of good shape, smooth, dark red color. They ripen evenly, remain solid a long time and never crack. Thos. H. Brinton, who grows about 100 varieties of tomatoes, has originated several of our best sorts; he writes: "Bond's Early Minnesota is the best early tomato we have tried." Pkt. 5c, oz. 25c. $\frac{1}{4}$ lb. 75c, lb. \$2.25.

MATCHLESS.—Well worthy of its name, for in beauty of color and symmetry of form it is indeed without a peer. The vines are of strong, vigorous growth, well set with fruit; are entirely free from core, of the finest flavor, of a very rich cardinal red color, and not liable to crack from wet weather, of largest size, and the size of the fruit is maintained throughout the season. Solid, of fine quality and keeps well. Pkt. 5c, oz. 25c, $\frac{1}{4}$ lb. 75c, lb. \$2.50.

CRIMSON CUSHION.—The best climbing variety. Persons who have only a small garden will appreciate this variety which can be grown on trellises and in this way three or four times as much fruit can be grown on the same space. It grows from 7 to 10 feet high, if desired, but as most of the

fruit is borne three or four feet from the ground, well out of the reach of the chickens, it is just as well to trim off the tips. Fruit is of unsurpassed quality, extremely large. An excellent sort for slicing or putting up. Pkt. 5c, oz. 40c, $\frac{1}{4}$ lb. \$1.20.

WHITE'S EXCELSIOR.—Claimed to be the best purple tomato ever

introduced and we have been surprised to see what an exceptionally large crop it yielded. The fruit is of a dark, glossy, purplish red, very large and handsome; nearly solid, which is a peculiarity, as most purple sorts, like the Acme, are very full of seed. It is also unlike other purple sorts in that the skin is tough, so that they bear long shipments and rough handling. By our illustration the unusual depth of the fruit will be noticed, as they are not flat like many others; vine dark green color, vigorous grower and sets the fruit in clusters; continuous bearer. Pkt. 5c, oz. 25c, $\frac{1}{4}$ lb. 85c, lb. \$2.75.

IMPROVED TROPHY.—The first of the modern improved kinds. Our Improved Trophy is vigorous and productive; its large, solid, smooth, fine-flavored fruit will satisfy the most exacting. Also much liked for canning. Pkt. 5c, oz. 20c, $\frac{1}{4}$ lb. 65c, lb. \$2.00.

GOLDEN QUEEN.—Best of the large yellow varieties. Fruit smooth and of the finest flavor. Pkt. 5c, oz. 25c, $\frac{1}{4}$ lb. 85c.

YELLOW PEAR.—A favorite with all who know them. Fruit is pear-shaped and of a handsome deep yellow color; flesh yellow, solid and fine flavored. Highly esteemed as a table delicacy raw, but more used for preserving or to make "tomato figs," also excellent pickled. Pkt. 5c, oz. 30c, $\frac{1}{4}$ lb. 75c.

Can almost be called a tree tomato. The best variety to grow for plants for sale as they are so stocky. Seed very scarce this year. Pkt. 5c, oz. 30c, $\frac{1}{4}$ lb. 90c, lb. \$3.00.

PONDEROSA.—Very large, inclined to be irregular in shape, but of fine quality. Purplish red. Pkt. 5c, oz. 40c, $\frac{1}{4}$ lb. \$1.20.

QUICK SURE.—Quite popular in the east and desirable for growing on poor soil. Pkt. 5c, oz. 25c, $\frac{1}{4}$ lb. 75c.

CRIMSON CURRANT.—A most charming little fruit, hardly more than a half inch in diameter, of bright crimson color; borne in long clusters containing 20 to 60 tomatoes. Excellent for eating from the hand or preserved. Pkt. 10c, oz. 60c.

MIXED TOMATOES.—For the advantage of some of our customers who would like to try all kinds, we have prepared this mixture of the varieties named and several others, which we think will please all. Pkt. 5c, oz. 25c, $\frac{1}{4}$ lb. 75c.

STRAWBERRY, or Husk Tomato.—Also called Ground Cherry. Pkt. 5c, oz. 40c.

TOMATO PLANTS.—Much time may be saved by buying plants and you will find them listed on page 23.



EARLY MINNESOTA.

STONE.—One of the best of all the standard sorts. The color is a desirable bright red. The fruit is of large size, perfectly smooth and of best table quality in every respect. It is a famous main crop tomato in many sections, both North and South, and is much used for canning. Productive and the fruit bears shipment well. Pkt. 5c, oz. 20c, $\frac{1}{4}$ lb. 60c, lb. \$1.75.

LIVINGSTON'S BEAUTY.—Originated with the late Mr. A. W. Livingston, of Franklin Co., Ohio, and is one of the best ever introduced. Its size, beauty, shape, color, flavor, durability and productiveness make it desirable to growers. Pkt. 5c, oz. 20c, $\frac{1}{4}$ lb. 60c, lb. \$2.00.

FAVORITE.—Vine medium sized, with large green leaves, having numerous clusters of three to seven tomatoes of a rich, dark red color, of oval outline, very smooth; flesh firm. A nice canning variety. Pkt. 5c, oz. 15c, $\frac{1}{4}$ lb. 50c, lb. \$1.75.

ACME.—Specially valuable for early market use. Plants are of strong, vigorous growth and very productive; fruit of medium size, round; color a glossy red, with purplish tinge. It ripens all over and through at the same time. Pkt. 5c, oz. 15c, $\frac{1}{4}$ lb. 50c, lb. \$1.50.

PERFECTION.—Large, round, smooth, handsome red fruit of the highest quality. It has been used very satisfactorily for forcing under glass. Pkt. 5c, oz. 15c, $\frac{1}{4}$ lb. 50c, lb. \$1.75.

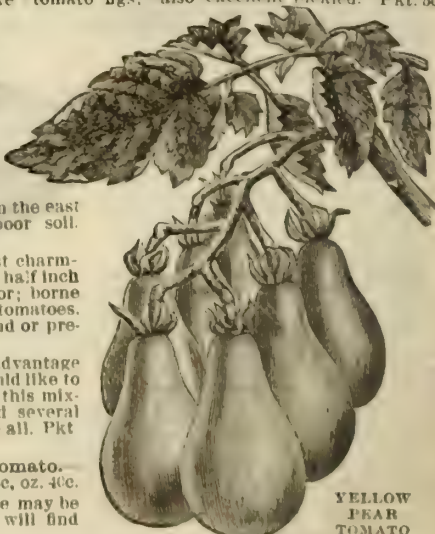
DWARF CHAMPION.—Its habit of growth is peculiar, for not only is it dwarf and compact, but the stem being thick, stiff and short-jointed, it is almost self-supporting when laden with fruit. In productiveness it is unsurpassed. It is also very early. The fruit is of a purplish pink color; always smooth and symmetrical and the flesh solid and of fine quality.



DWARF CHAMPION



WHITE'S EXCELSIOR.



YELLOW PEAR TOMATO

YOUR GARDEN SHOULD CONTAIN MAJESTIC, EARLIANA AND GOLDEN NUGGET TOMATOES.

TURNIP.

One ounce will sow 150 feet of drill;
two pounds will sow an acre.

For early, sow in April in drills half an inch deep and twelve inches apart; thin to 6 inches apart in the drill. For main crop sow broadcast in July and August, and just before or during a shower if possible.

EXTRA EARLY PURPLE TOP MILAN.—One of the earliest sorts in cultivation. The bulb is very flat, of medium size, quite smooth, with a bright purple top; leaves few, short, and of light color; growing very compact and making exceedingly small strap-leaved top. Pkt. 5c, oz. 10c, $\frac{1}{4}$ lb. 25c, lb. 75c.

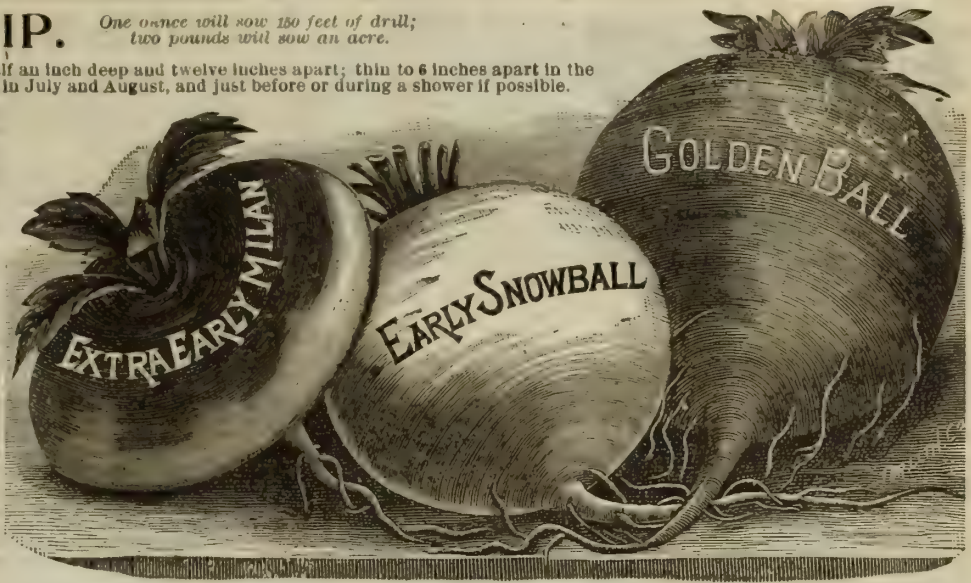
EARLY WHITE MILAN.—Much like the above, but it is pure white all over, instead of having purple top. Quite popular with gardeners. Pkt. 5c, oz. 10c, $\frac{1}{4}$ lb. 30c, lb. \$1.00.

EARLY SNOWBALL.—A globe-shaped, white-skinned turnip, which is exceedingly productive. The flesh is very fine grained, firm and of delicate flavor. It is one of the best keepers of the white fleshed sorts, very early, and particularly adapted for family or market use. Pkt. 5c, oz. 10c, $\frac{1}{4}$ lb. 20c, lb. 60c.

WHITE EGG.—A quick-growing, egg-shaped, perfectly smooth, pure white variety with small top and rough leaves. The flesh is very sweet, firm and mild, never having the rank, strong taste of some of the early varieties. Pkt. 5c, oz. 10c, $\frac{1}{4}$ lb. 20c, lb. 60c.

GOLDEN BALL, Or Orange Jelly.—A very beautiful and bright yellow turnip of medium size and of universally sweet and delicious flavor. It is hardy and one of the best of keepers. Flesh extremely firm and solid. Brings a good price on the market. Pkt. 5c, oz. 10c, $\frac{1}{4}$ lb. 20c, lb. 50c.

PURPLE TOP STRAP LEAVED.—The standard for this part of the country for late planting, and we sell immense quantities of it every year. It is one of the best table and stock varieties on the market, being fine grained and of mild flavor. It is of good size, flat shape, pure white below with purplish red top. Leaves short, narrow and erect. A good cropper and excellent keeper. Pkt. 5c, oz. 10c, $\frac{1}{4}$ lb. 20c, lb. 45c. 5 lbs. or more, not prepaid, @ 30c.



PURPLE TOP GLOBE.—Similar to Strap Leaved except shape. The largest yielder of any turnip on the list. Desirable for table use or stock. Pkt. 5c, oz. 10c, $\frac{1}{4}$ lb. 20c, lb. 50c; 5 lbs. or more, not prepaid, 35c per lb.

SCARLET KASHMYR.—This new, extra early, bright sea let turnip has a striking resemblance to a large radish. The flesh is white and crisp. Matures almost as quickly as the earliest radish, and when cooked is of unsurpassed quality. A good keeper, and with its beautiful scarlet color, early maturity and fine quality, it is entitled to a place among garden favorites. Pkt. 5c, oz. 10c, $\frac{1}{4}$ lb. 30c, lb. \$1.00.

MIXED TURNIPS.—All the table varieties of turnips mixed in equal proportions. Desirable for family use. Pkt. 5c, oz. 10c, $\frac{1}{4}$ lb. 2 c, lb. 60c.

RUTA BAGA.

Largely grown in the northern states and Canada for stock feeding, and for this purpose they are superior to turnips. Sow not later than June in drills two feet apart and thin out to eight inches in the row.

MONARCH.—This grand, new and distinct form of the ruta бага is, we believe, by far the best of all. The bulbs are of tankard shape, with very small neck, skin dark red above ground and yellow below, flesh rich yellow, fine grained and best quality. Only variety succeeding on our prairie soil. Pkt. 5c, oz. 10c, $\frac{1}{4}$ lb. 20c, lb. 50c. 5 lbs. or more, not prepaid, @ 35c.

IMPROVED AMERICAN.—Very solid, fine quality, valuable for the table and for feeding stock; good shape; smooth skin, small neck; keeps well; a choice strain. Pkt. 5c, oz. 10c, $\frac{1}{4}$ lb. 20c, lb. 45c. 5 lbs. or more, not prepaid, @ 30c.

WHITE SWEET GERMAN.—Large size, oval form and very solid; flesh pure white and sweet. The best keeping variety. Pkt. 5c, oz. 10c, $\frac{1}{4}$ lb. 20c, lb. 50c. 5 lbs. or more, not prepaid, @ 35c.

CARTER'S IMPROVED HARDY SWEDE.—Large size, excellent quality, and immense yielder. Pkt. 5c, oz. 10c, $\frac{1}{4}$ lb. 20c, lb. 40c. 5 lbs. or more, not prepaid, @ 25c.

ONE COW If you have even one cow, it will pay you to grow some **RUTA BAGAS, MANGELS, CARROTS, AND PENCILARIA.**



PEANUTS.

Peanuts can be grown in Iowa, and everyone should plant a few, at least, for the children.

RED CROSS.—This very desirable variety is early as the earliest, the most hardy, very prolific and of the best quality. Boys, here is a chance for you. Think of growing peanuts in your own garden and having plenty of them to eat. Shell the nuts carefully so as to not break the inside skin, and plant as soon as the ground becomes warm, from two to three feet apart each way, four or five to the hill, covering two inches. The soil should be deep and mellow. They produce 25 to 70 bushels per acre and are as easily cultivated as corn. Price per large package 10c, lb. 40c, postpaid. By express 5 lbs. or more @ 25c per lb.

SPANISH.—A very early variety, but the pods are small. Per package 10c, lb. 50c.

TOBACCO.

One ounce will sow about 25 square feet and produce plants for one acre.

This is a paying crop and will do well in this state. The following varieties have been thoroughly tested in this climate. Early in the spring burn a brush pile on the ground to be used for seed bed. Then thoroughly pulverize the soil, digging and mixing in the ashes. Sow seeds very shallow. When plants are six inches high transplant into rows 4 feet apart.



TOBACCO.

MAMMOTH MUSCATELLE.—Originated in the private gardens of the Shah of Persia. Very early, leaves long, small ribbed, and of finest possible texture. Pkt. 5c, oz. 35c, $\frac{1}{4}$ lb. 85c.

HESTER.—Ripens early; adaptable to a wide range of soil and latitude, therefore the surest. Yellow. Pkt. 5c, oz. 25c, $\frac{1}{4}$ lb. 75c.

BIG HAVANA.—The most popular of all. Heavy cropper, fine texture, delightful flavor, earliest cigar variety to mature and ripen. Pkt. 5c, oz. 30c, $\frac{1}{4}$ lb. 85c.

CONNECTICUT SEED LEAF.—Well adapted to this climate. Pkt. 5c, oz. 20c, $\frac{1}{4}$ lb. 65c.



RED CROSS PEANUTS.

A NICE LAWN ADDS GREATLY TO THE VALUE OF ANY PLACE—SOW LAWN GRASS SEED

**VINE PEACH.**

A splendid novelty introduced by us. The vine on which they are borne is somewhat similar to the musk melon vine, and requires the same cultivation. The fruit is about the size of a large peach, oval shaped, and of a bright orange yellow color, somewhat russeted. For sweet pickles, pies or preserving they are superb. Recipes for preparing for the table will be sent with each order. In the west or northwest where fruit is scarce, they are becoming popular, as they are easily cultivated, way in which you would

wonderfully prolific, and can be used in every use a peach, except that they are not usually liked raw. Pkt. 5c, oz. 20c, ¼ lb. 65c.

ORNAMENTAL POMEGRANATE.

An ornamental little fruit which a century ago was commonly grown in the gardens, but is now rarely seen. Grows on a pretty vine; fruit is round, yellow, irregularly striped with orange, red or mahogany; fragrant, a single specimen will sweetly perfume a room many days. Pkt. 10c.

GROUND CHERRY.

IMPROVED YELLOW.—Another year adds only to the popularity of this little fruit which we introduced, and it is now listed in the catalogues of the leading seedsmen of the country to whom we supply seed. It is a great improvement on the wild Ground Cherry. They grow well on almost any dry soil; are easier raised than the tomato, and are prolific bearers, and, oh! what luscious fruit. For sauce or pies they are excellent. They are delicious as preserves and when dried in sugar are much better than raisins for cakes and puddings, and they will keep, in the shuck, if put in a cool place, nearly all winter. No one, after raising them once, will ever make a garden again without devoting a portion to the Ground Cherry. Directions for preserving sent with each packet. Pkt. 5c, ½ oz. 25c, oz. 40c.

GIANT SCARLET.—Also called Chinese Lantern Plant. A very popular novelty and has proven quite satisfactory in some sections. Pkt. 10c.

**GARDEN LEMON.**

Introduced by us and has been highly praised. Fruit is of the shape shown in our engraving, is somewhat smaller than Vine Peach, which it resembles in growth, but has thinner flesh, and is decidedly more acid, thus dispensing with the sliced lemons which are so important in putting up the Vine Peach. Directions for cooking with each packet. Pkt. 5c, oz. 20c, ¼ lb. 65c.

NASTURTIUM.

These furnish tender seed-pods which make delicious pickles. For this purpose we send the Tall or Climbing Mixture. Pkt. 5c, oz. 10c, ¼ lb. 20c.

**GOURDS.**

Cultivate as cucumbers, or may be trained over lattice work, fences, etc.

JAPANESE NEST EGG.—Grows almost uniformly to the size, color and shape of a hen's egg. The shells are hard and make the very best of nest eggs, as they do not crack. The largest ones when sawed in two make excellent pots for startling tomato, strawberry and other plants. Pkt. 5c, oz. 15c.

DIPPER.—Makes a more light and convenient dipper than can be bought. Dippers of various sizes of a capacity of from a pint to a quart and a half, can be had from a few vines. Pkt. 5c, oz. 15c.

SUGAR TROUGH.—For buckets, etc. Pkt. 5c, oz. 15c.

LUFFA, Or Dish Cloth.—The peculiar lining of this fruit, which is sponge-like, porous, tough, elastic and durable, makes a natural dish-cloth or sponge. Start seed early. Pkt. 10c, oz. 35c.

HERCULES CLUB.—Grows to immense size—4 to 6 ft. long. Pkt. 5c, oz. 25c.

MIXED UTILITY.—Seeds of above mixed. Pkt. 5c, oz. 25c.

ORNAMENTAL MIXED

—A mixture of the odd shaped and fancy colored sorts. Pkt. 5c, oz. 30c.

**CURIOUS VEGETABLES.**

ORNAMENTAL MICE.—The vegetable curiosity which has attracted so much attention. It is a native of Central Africa, having a small, neat growing vine and bears numerous oval fruits, clear green in color, which are always completely covered with long, light green spines or hairs. Nice for pickling. Pkt. 10c.

CATERPILLARS.—Prostrate creeping plants with small, yellow flowers changing into "Vegetable Caterpillars." They are grown as curiosities, and sometimes are put into salads and pickles.

SNAILS.—Another singular variety having most oddly twisted seed pods resembling snails. Pkt. 5c.

COTTON.—Grown mainly as a curiosity in the north. Start the seed early in the house and transplant to the field as soon as warm weather arrives. It makes an ornamental plant in the flower bed and has showy, large flowers followed by the boll of pure white cotton which interests everyone. Pkt. 5c, oz. 15c.



COTTON.

ALPINE STRAWBERRIES.—Sown early, they will produce bearing plants the first year. They are grown in large quantities in Europe, where they are ever bearing, producing all summer. Pkt. 10c.

MARTYNIA.—Also called "Devil's Claw" or "Unicorn Plant." A large, ornamental plant, bearing beautiful flowers which are succeeded by large seed-pods which when young are fine for pickling. Pkt. 5c, oz. 30c.

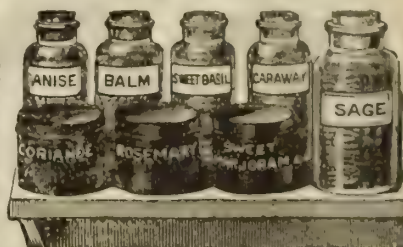
MOUGRI.—A wonderful vegetable from the Island of Java, which is greatly liked by the natives. Pods sometimes 2 to 3 feet long and are eaten raw or cooked. Taste like water cress. Pkt. 10c.

EGYPTIAN LENTILS.—Largely used in Oriental countries as a principal article of diet. It was from these that the dish of pottage was made for which Esau sold his birthright to Jacob in Bible times, and many will be interested in them for that reason. Pkt. 5c, oz. 10c, ¼ lb. 30c, ½ lb. 75c.

CHINESE TEA.—We are sure that many of our customers will be glad to grow this as a curiosity if nothing else. The plant is of a shrubby nature, with beautiful shiny foliage and fragrant blossoms, requiring the same treatment as any tender shrub. Can be kept growing in pots through the winter. About 10,000 pounds of tea per year is grown by one man in South Carolina. Pkt. 10c.

HERBS.

In making up your assortment of seeds for the year don't neglect to order a few varieties of herbs. The chief point is to harvest them properly, which should be done on a dry day when not quite in full bloom, then dried quickly and packed closely, and entirely excluded from the air. Those marked with an asterisk (*) are perennial.



ANISE.—Seeds have an agreeable, aromatic taste. Pkt. 5c, oz. 10c.

BALM.—For making balm tea. Pkt. 5c, oz. 25c.

BASIL, SWEET.—For flavoring soups, stews, etc. Pkt. 5c, oz. 15c.

BORAGE.—Leaves used for flavoring. Pkt. 5c, oz. 15c.

***CARAWAY.**—Seeds are used for flavoring bread, etc. Pkt. 5c, oz. 10c.

***CATNIP, or CATMINT.**—For seasoning. Pkt. 5c, oz. 30c.

CORIANDER.—Seeds are used in confectionery. Pkt. 5c, oz. 10c, ¼ lb. 25c.

CASTOR OIL PLANT.—Seeds are pressed out to obtain oil. Pkt. 5c, oz. 10c, ¼ lb. 20c, ½ lb. 50c.

***CHAMOMILE.**—Largely used for medicinal purposes. Pkt. 10c, oz. \$1.50.

DANDELION.—Grown for greens; also for medicine. Pkt. 5c, oz. 35c.

DILL.—Seeds are used for dill pickles. Pkt. 5c, oz. 10c, ¼ lb. 20c, ½ lb. 60c.

***FENNEL, SWEET.**—Leaves are used in sauces. Pkt. 5c, oz. 10c.

***HOREHOUND.**—For seasoning and cough remedy. Pkt. 5c, oz. 20c.

***HYSSOP.**—Used for asthma and catarrh. Pkt. 5c, oz. 20c.

***LAVENDER.**—Used largely as a perfume. Pkt. 5c, oz. 25c.

MARJORAM, SWEET.—For seasoning. Pkt. 5c, oz. 15c.

***ROSEMARY.**—Aromatic leaves used for seasoning. Pkt. 5c, oz. 25c.

***RUE.**—For medicinal purposes; good for fowls. Pkt. 5c, oz. 15c.

SAFFRON.—Dried flowers used for coloring. Pkt. 5c, oz. 15c.

***SAGE.**—Much used for dressing. Pkt. 5c, oz. 15c, ¼ lb. 40c, ½ lb. \$1.40.

SUMMER SAVORY.—Used for flavoring. Pkt. 5c, oz. 10c, ¼ lb. 30c.

SWEET WOODRUFF.—A sweet-scented herb; forms the principal ingredient of the famous German Maitrank. Pkt. 5c, oz. 60c.

***TANSY.**—Cultivated for its medicinal properties. Pkt. 5c, oz. 40c.

***THYME.**—Leaves and young shoots used for seasoning. Pkt. 5c, oz. 25c.

***WORMWOOD.**—Used medicinally and for poultry. Pkt. 5c, oz. 20c.

MIXED VARIETIES.—A mixture of all the above. A nice garden assortment. Pkt. 5c, oz. 15c, ¼ lb. 45c.

A CHOICE SELECTION OF HERBS IS A VALUABLE ADDITION TO ANY GARDEN

GARDEN PLANTS AND ROOTS.

Every garden should contain an assortment of these hardy plants and a few square feet will supply the family. Many persons now believe that if these well known old remedies were kept and used more in families in place of so many drugs and patent medicines it would be better for the health of the people. Orders for these plants must amount to at least 25 cents. We prepay the postage.

BALSAM MINT.—It has a soft, agreeable fragrance and is used for perfume, also used for flavoring soups, salads, etc. Each 15c, 3 for 40c.

ARTEMESIA, or Brotan.—A hardy plant sometimes called "Old Man." The leaves have a pleasant odor and bitter taste. Use similar to wormwood. Each 15c, 3 for 40c.

CALAMUS. (*Acorus*).—Also called "Sweet Flag." Leaves have an aromatic odor and root has a pungent taste. Grows in wet soil. Each 20c.



CHIVES.

CHIVES.—Perfectly hardy little perennials of the onion tribe, and are grown entirely for their tops, which are used wherever the flavor of onion is required. Plant in small clumps in any common garden soil and they will grow readily. The tops appear very early in the spring and can be shorn throughout the season. In New England it is considered indispensable for use in omelets. Roots per bunch 15c, 3 for 35c.

MONARDIA DIDIMA.—Also called Scarlet Bergamot and Oswego Tea. Each 10c, 3 for 25c, dozen 75c.

CATNIP, or Catmint.—Used largely for infants. Each 10c, 3 for 25c, doz. 75c.

PEPPERMINT.—All children know and like the flavor of peppermint. It has high medicinal value. Each 10c, 3 for 25c, dozen 75c.

GENUINE PENNYROYAL.—Warm, pungent, of somewhat aromatic taste; used for medicinal purposes. Each 15c, 3 for 40c, doz. \$1.25.

ROSEMARY.—Used for perfume, also for flavoring meats, stews, etc., and for garnishing. Each 10c, 3 for 25c, doz. 75c.

HOLT'S MAMMOTH SAGE.—Great improvement on common sage. Plants are very strong growing, first season attaining one foot in height, and so spreading that a single plant covers space 3 feet in diameter; leaves borne well above soil; very large and of unusual substance, strong in flavor and of superior quality. A single plant of Holt's Mammoth will yield more than a dozen common sort; hardy. Each 10c, 3 for 25c, doz. 75c.

VARIEGATED MAMMOTH SAGE.—Beautifully variegated dark green and pure white color which makes it a very ornamental plant; equal to Holt's in productiveness and flavor; new and scarce. Each 20c, 3 for 50c.

SPEARMINT.—This is commonly called Mint and thousands of dollars' worth of it is sold annually in New York, Boston and other cities for flavoring salads, garnishing meats, mint julep, etc. Each 10c, 3 for 25c, doz. 75c.

VARIEGATED SPEARMINT.—A new showy variety of above which will be greatly appreciated. Each 25c, 3 for 60c.

SASSAFRAS.—A well known medicinal plant. Each 20c, 3 for 50c.

TANSY.—Used largely for its tonic, stomachic and other medicinal qualities. Each 15c, 3 for 35c, doz. \$1.00.

TARRAGON.—The true tarragon is appreciated thoroughly by all who know it, for the use of its aromatic leaves in seasoning salads, soups, pickles, etc., and also for tarragon vinegar. Each 15c, 3 for 40c, doz. \$1.25.

GOLDEN VARIEGATED THYME.—A handsome and attractive variety, used for sauces and flavoring. Each 10c, 3 for 25c.

SILVER THYME.—Variegated white and green. Each 10c, 3 for 25c.

HOP ROOTS.—For making yeast, etc. Each 15c, 3 for 40c, doz. \$1.20.

COLLECTION One plant each of any ten Herb and Mint Plants on this page
FOR ONLY \$1.00 POSTPAID.



GARLIC.

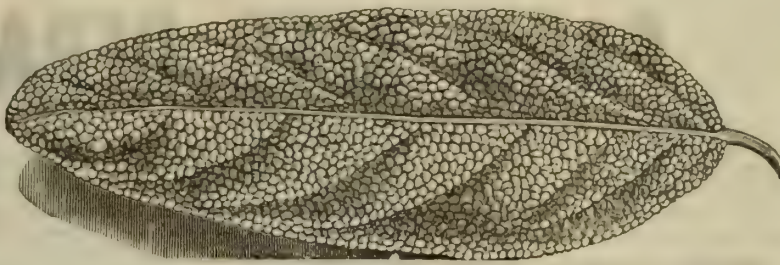
per doz., 75c per 100 postpaid, or 60c per 100 by express.

GARLIC.

A species of onions propagated by offsets; used for flavoring soups, stews and other dishes. We furnish sets at 40c per lb., postpaid; by express 25c per lb.; 10 lbs. for \$2.00.

HORSE RADISH SETS

Grow it in your own garden and grate it freshly. Plant the sets small end down in rows two feet apart and about eighteen inches apart in the row. They will do better in rich, loose soil set slanting and covered two inches. Nice sets 15c



HOLT'S MAMMOTH SAGE.—(Average size leaf.)

ASPARAGUS ROOTS.

It pays to have a small bed of asparagus so as to gather it fresh from your garden, and when once set, a bed will last many years. Our roots are strong and healthy. Ask for circular giving directions for planting.

CONOVER'S COLOSSAL.—35c per doz., \$1.25 per 100 postpaid. By express or freight, per 100 75c; 1,000 \$5.00.

COLUMBIAN MAMMOTH WHITE.—(See description on page 2.) 40c per doz.; \$1.50 per 100 postpaid. By express per 100 \$1.00; 1,000 \$6.50.

RHUBARB ROOTS.

Plant in spring or fall, setting the roots three feet apart each way.

VICTORIA.—The standard for general use. Each 15c, 5 for 50c, doz. \$1.00

IDEAL MAMMOTH.—The largest and best variety. See description with novelties. Strong roots 30c each; doz. \$2.50.



MUSHROOMS.

MUSHROOMS.

The ease and certainty with which a crop of mushrooms can be grown to perfection in any ordinary house cellar, wood-shed or barn, and the astonishing success of so many who have taken up this new industry both for profit and their own use, induces us to call especial attention to the subject. The great luxury of mushrooms can be enjoyed by all at a trifling expenditure of money, time and labor. We recommend our English mushroom spawn as generally the better both for the market garden and the private planter. Directions for culture sent on application.

BEST ENGLISH SPAWN.—Per lb. 30c postpaid. 5 lbs. or more, not prepaid, @ 15c per lb. Book on Mushroom Culture 10 cents.

VEGETABLE PLANTS.

Well grown and lightly packed to carry a long distance. They can be shipped fresh, well packed at the beds, on a day's notice.

Plant's quoted "by mail" are sent at our expense; "by express" at the purchaser's. No charges for either packing or boxes. Plants from either hotbed or cold frame are ready during April or May; outdoor grown during June and until the middle of July. We sell 500 at the 1,000 rate.

CABBAGE PLANTS.—EARLY VARIETIES—Ready April 10th—Extra Early Express, Jersey Wakefield and Washington Wakefield. By mail, 100 75c; by express, 100 50c; 1,000 \$3.50.

CABBAGE PLANTS.—LATE VARIETIES—Ready May 15th—Surehead, Premium Flat Dutch, Shortstem Drumhead and Perfection Drumhead Savoy. By mail, 100 75c; by express, 100 40c; 1,000 \$2.00.

CAULIFLOWER PLANTS.—Ready April 15th—Henderson's Snowball. By mail, doz. 25c, 100 \$1.25; by express, 100 \$1.00, 1,000 \$7.00.

CELERY PLANTS.—Ready May 1st—Golden Dwarf, White Plume, Golden Self-Blanching and Rose Ribbed Self-Blanching. By mail, doz. 20c, 100 \$1.00; by express, 100 60c, 1,000 \$4.00. After June 10th, \$3.00 per 1,000

EGG PLANTS.—Ready May 1st—New York Improved. By mail, doz. 25c, 100 \$1.25; by express, 100 \$1.00.

PEPPER PLANTS.—Ready May 1st—Ruby King, Large Bell, and Red Chili. By mail, doz. 25c, 100 \$1.00; by express, 100 75c.

TOMATO PLANTS.—Ready May 1st—Strong, transplanted plants, Dwarf Champion, Bond's Minnesota, Beauty, Matchless, Crimson Cushion and Golden Queen. By mail, doz. 25c, 100 \$1.00; by express 100 75c, 1,000 \$5.00. Not transplanted, 50c per 100, \$3.00 per 1,000.

GROUND CHERRY.—Ready May 15th.—Improved Yellow. By mail, doz. 25c, 100 \$1.25; by express \$1.00 per 100.

SWEET POTATO PLANTS.—Ready May 1st—Plants strong, vigorous, well rooted and hardy. We can furnish either the Yellow Nansmond or Early Yellow Jersey. Write if you want a large lot. Prices vary. By mail, 100 50c; by express, 100 25c, 1,000 \$2.00.

VINELESS SWEET POTATO PLANTS.—A novelty of great merit; is of dwarf bush-like growth. The tubers are yellow, of medium to large size, and lie compactly in the hill. When cooked, of best possible quality. 75c per 100 postpaid; by express, 100 50c, 1,000 \$4.00.

MANY STERLING NOVELTIES ARE DESCRIBED ON THE COLORED PAGES OF THIS CATALOGUE.

FARM SEED DEPARTMENT.

AS THE FARM CROP is more important to the general welfare of the country than any other, so the Farm Seed Department should have the pre-eminence in seed catalogues. Realizing the vast importance of this branch of our business, we devote our careful attention to the growth and selection of the best farm seeds of all sorts. Our seed grain is grown especially for seed in the section best suited to its development and perfect maturity, is all carefully selected, thoroughly cleaned, of the best quality and we sell at reasonable prices.

WE TAKE PRIDE in our large and increasing trade in this branch of our business. With our new and convenient building and improved machinery for cleaning, which is as perfect as any in the United States, we are enabled to clean seeds perfectly, far better than those commonly sold.

High grade seed grain.—It costs more to grow a crop for seed purposes than the ordinary farmer can understand. It requires extra choice stock seed, special preparation of the land, special cultivation, great care in harvesting, cleaning, testing, preparing for shipment, bags, etc., etc., so that we are obliged to ask a considerable advance over market prices, but any intelligent farmer will agree with us that such pedigreed seed is well worth to him the price we ask.—**It always pays to grow the best.**

PRICES named in this department are subject to important market changes. Quotations are net and are not subject to premium or discount which is offered on other seeds. Clover and grass seeds are constantly varying in value, and we issue a price list daily during the busy season. Please write for quotations, sending list of requirements, when in need. Orders sent us will be given benefit of lowest prices on day order is received. Will take pleasure in mailing samples and quoting inside prices at any time, on large orders.

OUR EXPERIMENTAL GROUNDS.—We are continually experimenting with farm seeds on our trial grounds by having plats of each variety of grain and grass seed sown or planted which enables us to determine their relative values. This enables us to better answer the inquiries of our customers regarding crops suitable to their requirements.



SHIPPING—In this department everything that is quoted by the packet or pound is sent by mail postpaid; all large quantities unless noted, are sent by express or freight, at the expense of the purchaser. Prices named include bags (except on clover and grass seeds) and delivering to depot here.

NOTICE—While we exercise great care to have all seeds pure and reliable, we give no warranty, expressed or implied. However, if the seeds are not satisfactory on receipt and examination, they are to be returned to us at once and we will refund the money.

It costs less than 25 cents
an acre to use our carefully
selected SEED CORN.

SEED CORN

Do you deem it wise to risk
doubtful corn when GOOD
SEED is so cheap?

THIS is our great specialty. We claim to be headquarters for seed corn in the United States, and are pleased to say that we are in a better position than ever before to furnish the choicest seed from the best thoroughbred varieties of corn. We have had no frosts in this section of the country to injure the crops. They were all thoroughly matured and in excellent condition for seed purposes before frost could damage them, and we are confident that we can furnish the best quality and the best varieties obtainable. Write us your wants.

Thirty-Four Years

ago when we began in the seed business, farmers would not buy seed corn. Every man saved his own seed, and it was considered a folly to buy seed corn. In 1881 we introduced a new variety and those venturesome enough to try it were greatly pleased. But still the sale was very limited. In 1892 we originated and introduced the Iowa Gold Mine which sprang at once into prominence, as it was, and is yet, the deepest grained and smallest cobbled variety ever brought out.

Since that time we have introduced Iowa Silver Mine, Early Longfellow Dent, Improved Early Mastodon, Lenoche's Homestead, Star Leaming, New Century Wonder, Profit, Farmer's Reliance, Golden West and Improved World's Fair, which have all become very popular and are everywhere the best of their class.



Thoroughbred Seed Corn.

We are proud to say that the Iowa Seed Store is now recognized as headquarters for thoroughbred seed corn and on account of the superiority the varieties which we have originated or introduced are now listed by the most prominent seedsmen in America, Europe and Australia, who handle this grain and are the best everywhere. The value of the average corn crop can be fully doubled by planting our improved varieties. Don't be satisfied with a second grade, even if you can save five or ten cents per acre in cost of seed (one bushel plants eight acres) but send your order to headquarters of the Iowa Seed Company for thoroughbred seed corn and get the best.

WHERE WE HANDLE OUR SEED CORN.

WE ARE BREEDERS of seed corn, growing it here in central Iowa, the best section for corn in the great corn belt of the United States. We have a seed corn specialist who selects the stock seed for our crops. Each ear is critically examined in all its points with the greatest of care and only such ears as are strong and vigorous in vitality and true to the ideal of each variety are used, such ears as are indicated by the illustrations from photographs in this catalogue, they being uniform in shape and color, with straight rows, the tips being well filled with large grains, which denote vigor and strength, the kernels being uniform in color, depth, width, shape and such other characteristics as are most desirable and indicate well bred corn. We have the best and most careful growers. Our rule is to have each variety grown at least ninety rods from any other variety in order to prevent its becoming mixed. The greatest care is used in preparing and having the soil in the best of condition and in the culti-

vation of the crop. After the crop is well matured and dried it is gathered into well ventilated corn barns, remaining there till shelling time and then shipped from the various farms to our warehouse where it is sorted and prepared for seed. Each ear is taken in hand by special men who do our sorting, and is critically examined. Those ears suitable for seed and true to the type of the variety being sorted, are tipped, butted, and reserved for seed purposes. The corn is then shelled and run through two cleaning mills which not only wind it thoroughly but also screen it both ways taking out any small, inferior, or large kernels which might be in it, thus leaving it very uniform in size, we now test it, taking one hundred kernels just as it runs in the bulk, which is the only way to get a true average test. The utmost care is used through the whole process of handling and preparing it for seed. Corn thus prepared cannot be sold at a price the ordinary seed corn is sold for.

**GOLDEN
WEST**

IOWA

FARMER'S RELIANCE

**SILVER
MINE**

IOWA

GOLD MINE

**IOWA
GOLD MINE**

THE
BIG 4
THAT MAKE
IOWA
THE LEADING
CORN STATE

**FOUR ESSENTIAL
QUALIFICATIONS**

Earliness.—These varieties have matured safely every season.

Size of Ear.—Large, and still cob is of small diameter.

Depth of Grain.—Unsurpassed, and of uniform good quality.

Productiveness.—Unexcelled. 100 to 215 bushels per acre in various parts of the country.

BE SURE
to read descriptions of these varieties in catalogue, and try them this year.

The deepest-grained yellow corn in the world.



"Of all that is good Iowa affords the best" Our Seed Corn proves this statement.

Golden West.

The latest novelty in the corn line and by all odds the best yellow corn in existence. We consider it the best rooted, strongest growing, most productive best shaped ear and deepest grained variety. The standard for it is, length 10 inches, circumference 7½ inches, color, golden yellow, shape cylindrical, corn nearly firm on cob, grain slightly rough, medium wedge shape, long, 18 to 20 rows, narrow space between kernels, but rounded, tip capped over, shank medium size deep red and 90 per cent of corn to cob. Per pk. 75¢; bush. \$2.50; 2 bush. or more @ \$2.25; 10 bush. \$20.00.

Iowa Silver Mine.

Has the reputation of being the most productive of any variety of corn in existence regardless of color, and has also captured sweepstakes in many competitions as the best shaped ear regardless of color. The standard is length 9½ inches circumference 7½ inches, shape cylindrical, medium firm on cob, color pure white, grain rough, medium wedge shape, long, 16 to 20 rows, narrow space between kernels, butts rounded, tips capped, cob small and white, 90 per cent of corn to cob. Shank of medium size. Per pk. 50¢; bush. \$1.50. 2 bush. or more @ \$1.35, 10 bush. for \$12.50.

Iowa Gold Mine.

The first deep grained, pure golden yellow variety introduced and is still the most popular, being listed by the most prominent seedsmen in America as well as in parts of Europe, Australia and South Africa where corn is grown. First introduced by us in 1892. Standard length of ear 8½ inches, circumference 7½ inches grain medium firm on the cob, rich golden yellow color, rough, narrow wedge shape and very long, 16 to 20 rows, with medium space between, butts rounded, tips capped, cob is small, deep red in color, 91 per cent of corn to cob. Per pk 50¢; bush. \$1.50, 2 bush. or more @ \$1.35, 10 bush. for \$12.50.

Farmers' Reliance.

Claimed to be the earliest variety of deep grained dent corn in existence and also the largest eared early variety with the single exception of Longfellow Dent. It makes a large profitable crop. Standard length, 8½ inches, circumference, 6¾ inches, shape of ear slightly tapering. Grain firm on cob, a deep yellow color, nearly smooth, medium wedge shape, and medium length, 16 to 18 rows with narrow space between, butts rounded, tips capped over. Small red cob, with eighty-eight per cent of corn to cob. Per pk. 50¢; bush. \$1.60, 2 bush. or more @ \$1.50, 10 bush. \$13.50

WHAT CUSTOMERS SAY.

"I think Iowa Gold Mine Corn the best of all, and am satisfied with it."—B. W. Fisher, Pike county, Mo.

"The seventy acres of corn we planted with seed from your firm is the best field corn in this county. It runs from two to three ears on each stalk."—D. M. McKindley, Kane county, Illinois.

"Last spring I planted 25 acres of your Golden West Corn and am well satisfied with it. It yielded 80 bushels per acre, which was as much again as my other corn yielded or that of my neighbors."—Will Seville, Polk county, Iowa.

Last year I purchased some of your Farmers' Reliance Corn and was very much pleased with the splendid crop, as it yielded 400 bushels from three acres of ground. Your corn is all that you recommend it to be.—H. Brown, Ashtabula county, Ohio.

"I bought half a bushel Silver Mine Corn of you in 1902 and it yielded 100 bushels to the acre, and last spring I saved enough seed out of it to plant 115 acres of it. I think it the best corn for this part of the state."—E. Jansen, Cass county, Iowa.

"Inclosed please find my seed order for this spring. Last spring I purchased some Iowa Gold Mine Corn of you, which did exceedingly well here. I took three premiums on it at three different county fairs."—Dr. A. N. Wilbur, Adams county, Ohio.

"On this estate, comprising about 22,000 acres, there was grown this year nearly 10,000 acres of corn, including almost all known standard sorts, suited to this latitude, and we consider that of the white varieties the IOWA SILVER MINE is the purest and in all respects the most satisfactory of all."—W. A. Bichet, Mgr.

I planted the Golden West Corn purchased of you May 11th, and it was out of danger from frost September 8th. I am very well pleased with it and think it will come up to all you claim for it. Although we have had a very wet season to raise corn, still the seed purchased of you was far ahead of that purchased of one of your competitors.—C. A. Bonar, Adams county, Iowa.

\$125.00 CASH PRIZES.

In order to encourage farmers to study the varieties and strive not only to grow good corn but to be able to select the best ears and tell the reasons why they are the best, we have decided to offer five cash prizes:

- \$25.00 for the best 10 ears of Golden West.
- \$25.00 for the best 10 ears of Iowa Silver Mine.
- \$25.00 for the best 10 ears of Iowa Gold Mine.
- \$25.00 for the best 10 ears of Farmers' Reliance.
- \$25.00 Sweepstakes for best 10 ears of any of above varieties.



TERMS OF COMPETITION.

Any of our customers can compete for above prizes provided the corn was grown from seed purchased from us this year. Corn shall be judged by a competent corn judge according to standard of each variety as stated in above descriptions and also published in our Corn Manual, (price 10 cents) a copy of which will be sent free to persons purchasing one bushel or more of seed corn from us. Corn must be delivered to us charges prepaid on or before November 20, 1905. The \$25.00 Sweepstakes Prize is to be awarded to the best ten ears of above four sorts, judged by comparison as a general purpose variety. It will thus be seen that one of the prizewinners may be entitled to \$50.00 in cash in addition to the honor of winning a prize in this grand competition with the best corn growers in America.

IOWA SEED COMPANY,
Des Moines, Iowa.

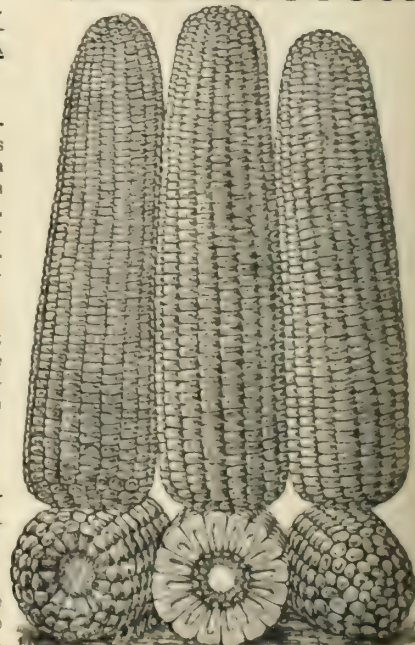


PERFECT EARS OF CORN

Our cut illustrates an ideal shape for ears of corn. Notice depth of grain and how well it is filled out over both the tip and butt ends. Grain is wedge shape and still without space between kernels at germ end.

TWO WAYS.

EVERY corn grower who strives to increase his corn crop has two ways to do it. He can increase the yield per acre, or he can put in more acres. The farmer who wants more corn will do well to study the first method before he decides on the latter. Good seed is the first essential to a bigger yield of better corn, therefore plant the Iowa Seed Company's improved varieties and add 20 to 50 per cent to your crop.



IDEAL EARS OF CORN.

A Practical Corn Manual

This small book was prepared in order to assist farmers to form a more correct idea of the most desirable ears of corn for general purposes in whatever latitude they may be located. It is, in fact, a Corn Judging Manual worth dollars to any farmer, but we ask only 10 cts. per copy for it. Sent free on request to any one ordering one bushel or more of seed corn from us.

GOLDEN WEST.

THE past ten years have brought out many new varieties of corn which we have tested on our farm but none were perfect in every respect. The one which nearest approached perfection was the Golden West, which is a new variety originated in eastern Iowa by one of the most practical seed corn specialists in the United States. We have watched it during the three very trying years just past, and are now satisfied that it is the

Best Yellow Corn Ever Offered.

For years past we have been searching for a variety of corn which had the characteristics of the Iowa Gold Mine as to depth of grain and color, but which produced a larger ear and would yield a better crop. We have also been at work trying to produce such a variety on our own place, but it is difficult to breed it up in such a way that it will hold these valuable characteristics. The New Golden West comes the nearest to our ideal and is far superior to any yellow corn now on the market. The stalk and manner of earing greatly resemble the Iowa Silver Mine, the ears averaging fully as large or larger and the grain is more solid on the cob.

Description: Golden West is one of the most vigorous growing varieties that we know of. Stalks of medium height, not as tall as Legal Tender, but very much thicker at the ground, short jointed with broad leaves which help to mature the large crop of corn it produces. It is the deepest rooted corn that we know of and therefore not easily injured by hard wind storms nor are the roots so near the surface as to be broken off and the vitality of the plant sapped and weakened in cultivating the crop. The ears have usually eighteen to twenty rows. There are many ears which measure eleven inches in length and weigh one and one-half pounds, containing from twelve to fifteen hundred grains to the ear. The kernels are of such shape that they wedge in tightly and make a solid ear not only at the cap but down near the point or germ end (see cut of ear section.) This is a characteristic which is overlooked by many corn breeders, thus causing ears of ordinary varieties, which appear solid, to be of light weight. The ear is solid, nearly uniform in size throughout its entire length, but gradually tapering off to a blunt oval tip, cob comparatively small and of such nature that it dries out rapidly, thus insuring a well matured crop, even during unfavorable seasons. It matures in about one hundred days, thus making it a safe corn to plant, and we claim that it will yield a larger crop than any other yellow corn in existence.

The breeder of this corn has been working on essential principles for many years. Instead of simply crossing two good varieties, he has made his cross from several varieties and selected so as to combine the best characteristics of each with an ideal in his mind towards which he was working. Instead of having simply surface roots like other northern varieties, he has bred to obtain a deep rooted sort which would obtain its nutriment from the subsoil as well as having plenty of surface roots. In this way he has secured a better leaf structure for the plant which enables it to stand long seasons of drouth, hot weather and strong winds. By working with his first cross to obtain plants with unusual heavy leafage and roots, he has been enabled to build this new variety on a foundation of perfect health and vigor. It is sure to become the leading corn for this latitude and will rapidly win the confidence of all corn growers.



Vast Treasures

Of Iowa soil, rain and sunshine are being annually wasted by trifling with varieties of corn not capable of utilizing them. Don't plant the old worn out sorts any longer, begin right, this year, by buying Golden West. It is a new variety of wonderful leafage and vigor of growth and is sure to become the leading corn for this latitude and rapidly win the confidence of all corn growers. Thousands of farmers made money by buying our Iowa Gold Mine and Iowa Silver Mine corn when they were first introduced and selling the seed to their neighbors the following season. It will pay you to follow this plan and send in your order early as the supply is limited. Remember that a bushel plants seven or eight acres; therefore it will cost you only about 35 cents per acre for the seed. **PRICE**—Pkt. 5 cts; pound 25 cts; three pounds 65 cts; seven pounds (will plant one acre) \$1.25, charges prepaid to any part of the United States; by freight, per 1/2 peck 45 cents; peck 75 cents; bushel \$2.50, 2 bu. or more @ \$2.25, 10 bu. for \$20.00.

Your Golden West is by far the best corn ever grown in this locality, and fully equal in yield to the Iowa Silver Mine. Part of my land was flooded this year and badly washed by the river, but owing to the Golden West being so deeply rooted it stood up very much better than either of the other varieties which I grew or any other sorts in this locality. It yielded a grand crop of good, sound corn in spite of unfavorable season.—G. W. Pfeifer.

I have just finished gathering my Golden West, and one field grown on sloping land yielded 103 bushels per acre and another field which was on low level ground and damaged considerably by overflow yielded over 80 bushels per acre.—Wm. Day, Dallas Co., Iowa.

In reference to the Golden West Seed Corn which I purchased of you this season will say this season has been very unfavorable but I can recommend the corn as in every way better than any I ever raised. Am sorry I planted my corn so thick. As usual I made allowance for some not to grow, but I was mistaken. I believe every kernel grew. The quality is unsurpassed.—Daniel Marlan, Carroll County, Iowa.

We planted 1/2 bushel of Golden West and it has done fine and is now (Sept. 15th) out of danger from frost, sound and bright and we are pleased with it. Also planted a bushel of the Gold Mine Seed Corn and it has also done well and is sound. Both varieties are excellent. The garden seeds we purchased of you gave entire satisfaction.—A. Van Sperren, Jasper County, Iowa.

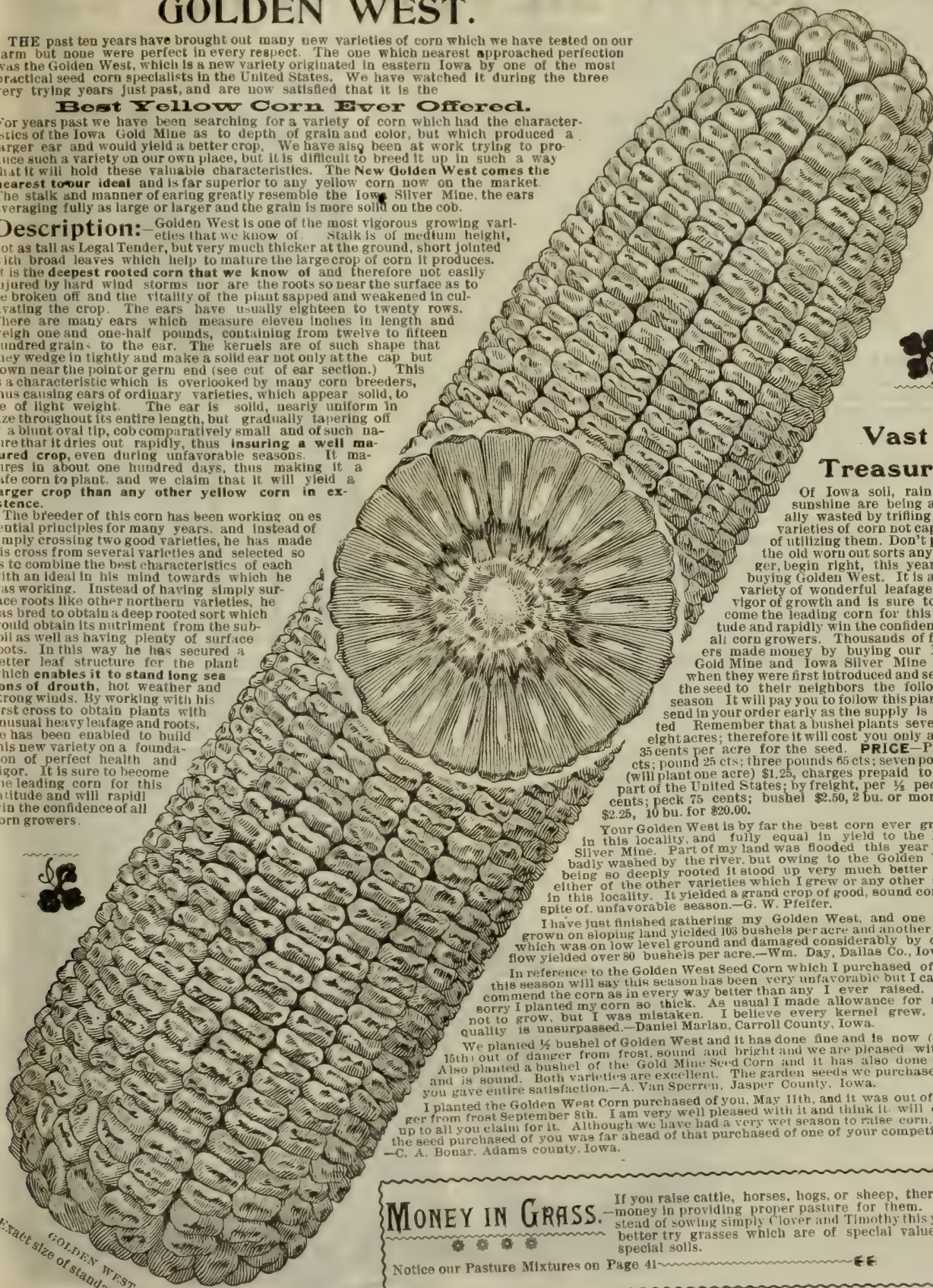
I planted the Golden West Corn purchased of you, May 11th, and it was out of danger from frost September 8th. I am very well pleased with it and think it will come up to all you claim for it. Although we have had a very wet season to raise corn, still the seed purchased of you was far ahead of that purchased of one of your competitors.—C. A. Bonar, Adams county, Iowa.

MONEY IN GRASS.

If you raise cattle, horses, hogs, or sheep, there is money in providing proper pasture for them. Instead of sowing simply Clover and Timothy this year better try grasses which are of special value for special soils.

Notice our Pasture Mixtures on Page 41

Exact size of standard ear
GOLDEN WEST



PRIZE WINNER
EVERYWHERE

IOWA SILVER MINE.

215 BUSHELS
PER ACRE.

The most marvelous variety of corn ever offered, and one which will surprise everyone who plants it. Thousands of farmers have tried it and doubled their crops and also made money rapidly by selling seed to their less enterprising neighbors. It is revolutionizing the corn growing industry of the country. Just think of this wonderful yield—215 bushels per acre with ordinary culture. We don't blame some practical farmers for looking incredulous when this is mentioned; we did not believe it ourselves until we had measured the ground and proved conclusively that the report was correct. The seed corn trade is our great specialty, and we claim to be seed corn experts, and in the spring of 1895, when we first saw this corn, we purchased the entire crop for \$1,000.00 cash. The originator is not now growing seed corn and you must buy from us if you want pure, true to name seed. Just think of it! The average corn crop of the United States is only 28 bushels per acre, and there was more than seven times this amount of Iowa Silver Mine grown on one acre. Would you like to grow this kind of a crop? Plant Iowa Silver Mine Corn—plant your whole farm to it.

DESCRIPTION—Stalk grows to a height of about seven or eight feet, and sets the ears about three and one-half to four feet from the ground, just the right height for easy picking. One peculiarity which will be noticed in going over the fields is that there are no barren stalks; every one has an ear, many stalks have two or three good ears, and the originator says that has been characteristic every year that he has grown it. The type is very even. Ears measuring from **Ten to Twelve inches in length**, and weighing one and one-half pounds are often found. The ears are very uniform in size and shape, with sixteen to twenty straight rows (usually eighteen rows) of deep, pure white kernels, set on a small white cob, and the ears are well filled out over the tip. It is early, maturing in ninety-five days. The cob dries out rapidly, so that it is ready for market **earlier than any other white field corn** in existence. Seventy pounds in the ear will make sixty-two pounds shelled. It is adapted to a wider range of soil and climate than any corn ever offered. From Minnesota to Florida, from Massachusetts to California, it will yield a paying crop where other varieties are grown at a loss. It is in every way a distinct type of corn and is hardy and a wonderful resister of drouth.

ITS PRIZE RECORD.—Everywhere the Iowa Silver Mine captures the prizes over all other varieties. At one fair ten of the largest ears took first prize, ten of the smaller ears took second prize. Afterwards the same ten large ears took sweepstakes over all other varieties, both white and yellow, making a total of **\$95.00 in prizes taken at one fair by twenty ears of the Iowa Silver Mine Corn.** It captured the big prize offered by us in 1896, for the largest crop, against all other kinds of any color, yielding 215 bushels. At the Illinois State Fair it took first premium for the best bushel of corn, any color or sort; first for best white corn in the state, and **grand sweepstakes for the best corn** of any color, competition open to the world. In 1899 the Illinois State Agricultural Society offered three large prizes for the largest corn crop grown on one acre, and the Iowa Silver Mine captured all three of them with crops of

196, 176 AND 154 BUSHELS PER ACRE.

No other corn of any color can compare with it in wonderful productiveness.

Read the Astonishing Record of our own prize contest. It produced 215 bushels per acre in Scott county, Iowa; 211 bushels per acre in Indiana; 201 bushels per acre in Arkansas; 178 bushels per acre in Illinois; 145 bushels per acre in Nebraska; 144 bushels per acre in Ohio; 137 bushels per acre in Texas.

NOW FOR 1905.—To every one who orders Iowa Silver Mine Seed Corn from us we will send free full information as to how 215 bushels of corn were grown on one acre. Be progressive; adopt new methods and use good seed. Figure out what your profit would be if your crop were that large. It will pay you to plant your entire field with this variety. Get your neighbors to order with you.

WE ARE THE ORIGINAL INTRODUCERS.

And if you want pure Iowa Silver Mine Corn it must be purchased from us. We have proof that other dealers are copying our descriptions and selling common white corn as Iowa Silver Mine. The cost of pure seed is almost nothing (only about 25 cents per acre). One bushel per acre added to your crop will pay for it, and you can't afford to use doubtful seed.

PRICE : Postpaid or by Express Prepaid: Per pkt. 5c, lb. 25c, 3 lbs. 60c, 7 lbs. (will plant an acre) \$1.00. Specimen ears 25c each postpaid. By Freight or Express, purchaser paying charges: Per pk. 50c, bush. \$1.50; 2 bush. or more at \$1.35; 10 bush. for \$12.50.

READ WHAT THE PEOPLE SAY.

"I have been growing your Iowa Silver Mine Corn for three years and it yielded fully ten bushels an acre more than any corn here this year, in spite of the unfavorable weather."—E. W. Parnell, Story county, Iowa.

"The seeds purchased from you produced the finest yields ever seen in our county. The Iowa Silver Mine Corn yielded 188 bushels to the acre."—W. A. Johnson, Miss. Co., Ark.

"I don't think a better quality of corn can be found than the Iowa Silver Mine, and it yielded 114 bushels per acre for me this year."—S. S. Troxel, Benton county, Iowa.

"Your Silver Mine Corn grew splendidly and ripened sufficiently to make seed corn 104 miles north of St. Paul."—Francis Maddox, Crow Wing county, Minn.

"Last spring I planted one peck of your Iowa Silver Mine corn, and gathered 100 bushels of the finest corn I ever saw."—J. Clay Fox, Rock county, Nebraska.

"Your Iowa Silver Mine Corn is the earliest white corn I have ever seen. Ears of good size and in many instances producing two good ears to the stalk. It is seldom that one sees anything bred up to such perfection as this new corn."—W. O. Ruddick, Lee county, Iowa.

"I am especially pleased with the Iowa Silver Mine Corn and it is worth five times as much as the Mastodon which I have been growing."—Jacob B. Siemens, Reno county, Kansas.



Iowa Silver Mine.

215 Bus. per Acre!

IOWA GOLD MINE.

Everyone who has tried it is enthusiastic in the praise of this splendid variety which we introduced in 1892. Iowa is not called a gold mining state, but in this grand variety farmers of this country will find a veritable mine of wealth. It has received the most cordial endorsement as a most profitable variety to grow. It is early ripening, only a few days later than Pride of the North. Ears are not large, but of good size and symmetrical; color a bright golden yellow, as handsome as a twenty dollar gold coin just from the mint; grain is very deep; cob small, and therefore dries out very quickly as soon as ripe. Seventy pounds of ear corn make 62 to 63 pounds of shelled corn, and in hauling to market it weighs out five bushels more to the wagon than common varieties in the same size wagon. We have shelled selected ears of this variety which produced 64 pounds of shelled corn and only 6 pounds of cobs to the bushel. This is an unparalleled record. It cannot be equaled by any other variety. It matures perfectly, even in southern Minnesota. We can most confidently recommend it as the acme of perfection, and stake our reputation on its pleasing everyone who tries it. One ear load lot of 400 bushels of Iowa Gold Mine Corn was carefully weighed, and after shelling it was reweighed and there was just 456 bushels, — a gain of 14 bushels to the 100. Remember if you want pure Iowa Gold Mine Corn, purchase it direct from us. If you purchase from your local dealer, insist on seeing that our label is on every bag, plainly marked IOWA SEED COMPANY. Don't fail to at least see a sample of Iowa Gold Mine before buying elsewhere. Pkt. 5c; lb. 25c; 3 lbs. 60c, postpaid; by freight, pk. 60c, bu. \$1.50; 2 bus. or more @ \$1.35; 10 bus. for \$12.50.

WHAT PRACTICAL FARMERS SAY.

Your Iowa Gold Mine was early, stood the drouth remarkably well and produced 500 bushels of good sound corn. My neighbors under better conditions either failed entirely or had only soft corn. I never made a more profitable investment. — F. H. Furneaux, Arapahoe county, Colo.

Have just harvested the Iowa Gold Mine and it is a grand corn. Our farmer is enthusiastic over it. The type and color are perfect. — J. H. Beagley, Ford county, Ill.

The Iowa Gold Mine Corn comes the nearest being all corn and no cob of any variety I ever grew. — H. F. Jacobs, Calhoun county, Iowa.

I bought some Iowa Gold Mine Corn of you and it is the best corn I ever used in my life. — Ernest Bulko, Monroe county, N. Y.

I bought of you several bushels of Iowa Gold Mine Corn that has proven very satisfactory. — Harry D. Burress, Green county, Ill.

I grew 480 bushels of your Iowa Gold Mine Corn on four acres last year. An average of 120 bushels to the acre. — W. W. Preston, Warren Co., Ia.

The Iowa Gold Mine Corn I purchased of you last spring is the best yielder I ever planted. — O. E. Hughes, Butler county, Iowa.

I think Iowa Gold Mine Corn the best of all, and am satisfied with it. — B. W. Fisher, Pike Co., Mo.

The Iowa Gold Mine has done splendidly here in northwestern Iowa, and is now (Sept. 1) out of danger of frost. It is a yellow dent variety with large well formed ears, much larger and finer than our native corn in this part of the state. — P. R. Bailey, O'Brien county, Iowa.

The ten bushels of Iowa Gold Mine Corn purchased from you made a good stand and vigorous growth and matured two weeks ahead of any other. We are now husking it and it far exceeds our expectation, the yield being decidedly larger than any other corn, and it is the brightest yellow color I ever saw. — O. E. Shoneman, Montgomery county, Iowa.

I am glad I planted all my field with your seed corn this year. The Iowa Gold Mine surprises every one here by its deep grain and small cob, and it shells out about six pounds to the bushel more than other sorts. — John W. Ernst, Floyd county, Iowa.

It pays to buy seed corn from you as I have an excellent crop of both Iowa Silver Mine and Iowa Gold Mine. — Anton Karkosh, Tama county, Iowa.

The Iowa Gold Mine Corn proved very satisfactory. It eared better than any other variety I have ever seen. The ears are better filled with deep grains of golden yellow corn, and I can say that it is more than it is claimed to be. — D. A. Rose, Washington county, Iowa.

FIRST AMONG TWENTY MILLIONS.

It amounts to something to stand at the head of one's profession in any city; it amounts to vastly more to stand at the head in the entire state, and it is, therefore, no wonder that the people of Des Moines take pride in the

IOWA SEED STORE,

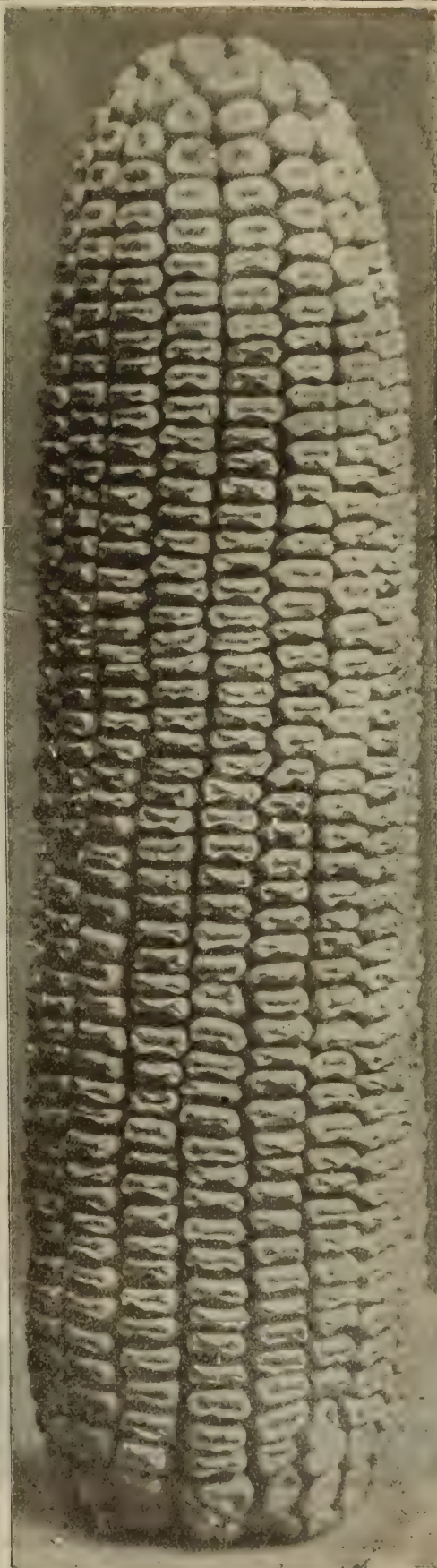
which not only is the largest in Iowa, but there is no seed store west of Iowa, way on to the Pacific Coast which compares with it in size or volume of trade. The Iowa Seed Co. may therefore be said to stand

FIRST AMONG 20 MILLION PEOPLE.

Their trade has extended to almost every postoffice in the country, and even in New England and the Atlantic coast states where competition is very strong from the old established eastern seed dealers.

IOWA GOLD
MINE
GRAINS.

IT COSTS ONLY 20 TO 30 CTS. PER ACRE TO PLANT OUR SEED CORN.



IOWA GOLD MINE CORN.

FARMERS' RELIANCE CORN.

GRAND NOVELTY in field corn, introduced by the Iowa Seed Company, and it is by far the earliest dent corn in existence, and also the largest eared early corn. It is earlier than *Pride of the North* and a much better cropper. This new variety of corn is the result of a scientific hybridization made fifteen years ago by a practical seed corn grower, and this has been followed by careful selection each year since, the object being to obtain the earliest corn in the world. The corn is of a very strong, vigorous character, growing more rapidly than any other variety from the day it is planted. Its quick growth really surprises one with the speed with which it hurries on to make ears. The stalks usually have from nine to eleven blades, while most ordinary corn has thirteen blades. These leaves are quite broad, of a dark emerald green, healthy color. This corn has been planted as late as June 26th and yielded a splendid crop, earlier than *Pride of the North*, which was planted at the same time. We claim that it will mature any year in eighty to eighty-five days. The ears are much larger than *Pride of the North*, not as rough or buckled thus making it easier to handle, and the yield is 25 to 35 per cent more than *Pride of the North* under the same conditions. An average bushel of seventy pounds will make sixty pounds of shelled corn. It has for years been selected from stalks which set the ears three feet or less from the ground and this has a tendency to make it earlier. Fully 40 per cent of the stalks produce two good ears. It is the farmers' reliance every year. The originator has taken the first prize for early yellow corn at every fair at which it has been exhibited. Don't fail to plant at least a small quantity and thus obtain your seed for another season. Per lb. 25c, 3 lbs. 60c, postpaid; by freight or exp. pk. 50c, bu. \$1.60, 2 bush. or more @ \$1.50, 10 bush @ \$1.35.

Your Farmers' Reliance corn has proved very fine and I am much pleased with it.—W. A. Whitmer, Clinton County, Iowa.



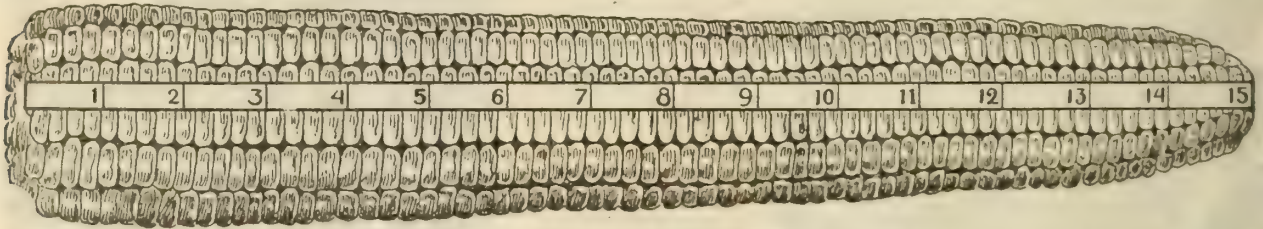
The Farmers' Reliance corn purchased from you has made a splendid yield.—Herman Hunt, Iowa.

Last year I purchased some of your Farmers' Reliance Corn and was very much pleased with the splendid crop, as it yielded 400 bushels of ears from three acres of ground. Your corn is all that you recommend it to be.—Mrs Harriet Brown, Ashtabula County, Ohio.

Your Farmer's Reliance is the earliest corn I have ever seen or grown, maturing in 80 days, being ten days to two weeks earlier than *Pride of the North* and yields double as much per acre.—H. H. Council, Pocahontas County, Iowa.

EARLY LONGFELLOW DENT.

There is no telling when we will have a short season and early killing frost in the fall, and in such a case farmers who have their fields planted with an early maturing variety are truly fortunate. The trouble with most extra early sorts, however, is that they are too small and "mubby," but this new variety is of unusual length, our illustration showing an ear 15 inches long, but the average is about 12 inches. Its peculiar shape, which is different from any other sort, suggests the name. It matures fully as early as *Pride of the North*, is double the size and yields a far larger crop, which is ripe and hard before there is a thought of frost, thus making a variety that it will pay to "tie to." Stalks are of medium height, strong and not easily blown down. Grain is not as deep as some of our other varieties, but it is the corn of corns for selling on the market, as a wagon load of it is as pretty as a picture. We recommend it highly to customers in Northern Iowa, Minnesota, the Dakotas and other northern states, feeling sure that it will please everyone. Order early, as there is sure to be a great demand. Per pkt. 5c, lb. 25c, 3 lbs. 60c, postpaid. By freight per pk. 60c, bu. \$1.60; 2 bushels or more @ \$1.50; 10 bushels or more @ \$1.35.



"I planted the Longfellow Dent Corn May 5th on good bottom land. I had a good stand and it was out of danger from frost Sept. 1st. I just now measured an ear 13½ inches long with sixteen rows. Many are 12 inches, few less than 11 inches long. A good business corn. As president of the first Corn Club organized in Iowa and a life-long corn grower, I venture the opinion that this long eared corn is for the farmer a better and more satisfactory type than any of the show corns."—W. P. Dawson, Cherokee county, Iowa.

HICKORY KING.

A white field corn which has the largest grains with the smallest cob of any white corn ever introduced. So large are the grains and so extremely small is the cob that on an ear broken in half a single grain will almost cover the cob section completely. It is of strong, vigorous growth and yields splendid crops on light soil, and is a desirable variety where the season is long enough to mature it, but we do not recommend it north of Southern Iowa, although it produced a good crop last year forty miles north of Des Moines. This variety matures in about one hundred and thirty-five days. Per pkt. 5c, lb. 25c, 3 lbs. 60c, postpaid; by frt., pk. 65c, bu. \$2.00, 2 bu. or more @ \$1.85, 10 bu. @ \$1.75.

PRIDE OF THE NORTH.

This variety originated with A. L. Goddard, of Kossuth county, Iowa, about 20 years ago, and sprang at once into prominence as the earliest of all yellow dent corns. The ears are 7 to 8 inches long with small cob and kernel; seventy pounds of ears will make sixty pounds of shelled corn; color, bright orange and very uniform. Will ripen in ninety days and matures in this latitude when planted in June. Good soil is capable of producing four or five good stalks to the hill and many stalks have two ears each. This will enable one to get as large a crop of corn as with a large eared variety and much more fodder. Pk. 60c bu. \$1.75; 2 bu. or more @ \$1.60; 10 bu. @ \$1.50.



PRIDE OF THE NORTH



The seed corn I bought of you last spring was the best investment I ever made. It produced fully double as much as that of my neighbors and it is of the finest quality.—W. C. McHenry, Crawford Co., Ia.

I purchased from you 10 bushels of *Pride of the North* corn for planting and am very much pleased with the variety and its yield. S. W. Callahan, Kossuth Co., Iowa.

POP CORN IS A VERY PROFITABLE CROP. BETTER PLANT A FEW ACRES THIS YEAR.

IMPROVED WORLD'S FAIR CORN.

An Improved Strain of Reid's Yellow Dent.

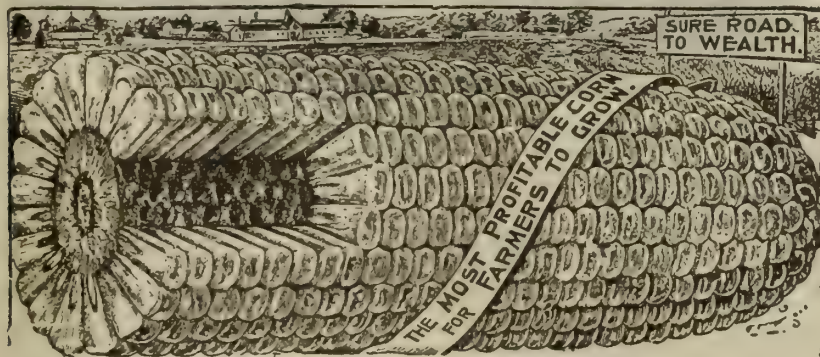
We claim to be seed corn specialists and we annually supply more farmers with seed corn than any dealer in the world. Prominent farmers and agricultural writers have assured us that with the new varieties which we have introduced we are rapidly nearing perfection in the corn plant. We cannot wholly agree with them, and we do not intend to stop our efforts in this direction, but farmers will find the Improved World's Fair which we are offering this season to be a long step in advance towards the aim to which we are striving. It was bred by selection from Reid's Yellow Dent and is a great improvement over it. It is distinguished by the grain being deeper, rough on the surface and not so hard, the latter fact making it a more desirable variety for feeding purposes. It is a very strong growing variety, maturing a large handsome ear in 110 days. Few varieties have outyielded it in experiments. A heavy cropper and for uniformity of grain, the shape and filling out of butts and tips, and compactness, there is no other variety that is nearer perfection. No variety of yellow corn has been used so much for exhibition purposes, nor won more prizes. Any farmer who wishes to compete for premiums will find this a winner. It was the prize winner of both diploma and medal at the great World's Fair exhibition in Chicago, but since then has been greatly improved. It is of excellent quality, being solid, heavy and of very strong vitality. The grain is so tight on the cob that in the process of drying sometimes rows will be forced out. This cut of the World's Fair Corn represents about the standard ear, which is as follows:—shape of ear nearly cylindrical; length 10 inches; circumference $7\frac{1}{4}$ inches. The kernel is firm, upright, and medium yellow in color, long wedge shape and slightly rough, 18 to 22 rows which are in pairs. Butt deeply rounded, compressed, regular rows clear to tip, shank small, cob red and of medium size, 88 per cent of corn to cob. Every wide-awake intelligent farmer will want to test this grand new sort and can well afford to do so, as it cost only about thirty cents per acre for seed. Any one will be well paid for growing this variety of corn. The beauty and uniformity of the ears in shape, color and completeness, is sure to please all corn growers. It is well adapted to this latitude and ripens in about 110 days. Pkt. 5c, lb. 25c; 3 lbs. 60c, postpaid. By freight or express, pk. 60c, bu. \$1.60, 2 bu. at \$1.50, 10 bu. at \$1.35.

Dec. 2.—I have just finished gathering my World's Fair Corn and find it to be the most solid corn I ever raised in spite of the unfavorable season. The ears are exceptionally well filled out at both ends and it yielded a good crop.—W. J. Day, Dallas county, Iowa.

NEW CENTURY WONDER CORN.

A most wonderful variety from South America different in many respects from other sorts. Instead of growing like ordinary corn, one stalk to each kernel planted, it stools like winter wheat, producing ten to twenty stalks from each seed. There are frequently three to seven ears to the stalk, being eight to ten inches long, and of the most clear, snow white color. It is of excellent quality when used on the table like sweet corn, yielding of course, a much larger crop, and when dry and ground makes the cleanest, finest, whitest meal you ever saw. It will rise like wheat flour and can be used in bread, pies, biscuit and cakes. It is an improvement on Brazilian flour corn, being acclimated by growing for eight or ten years in the north. Yields 100 to 150 bushels per acre. The Iowa State Register in its farm department says: "This wonderful corn, which was grown about four miles northwest of Des Moines, grows ten to twelve feet high, produces three to seven ears on a stalk and ten to twenty stalks to the hill from one seed planted. The ears are about 9 inches long and it yielded seventy-five bushels on half an acre. It makes the finest of stock food when cut for fodder and produces many times as much as ordinary corn." We believe it will prove of great value everywhere for use as sweet corn to grind into meal, to feed hogs, cattle and horses and as a fodder plant. Plant early as it requires the whole season to mature in this latitude. Don't fail to plant at least a small patch, and thus obtain plenty of seed of your own growing for another year. Pkt. 10c, $\frac{1}{4}$ lb. 15c, lb. 40c, 3 lbs. (will plant one acre) \$1.00 postpaid by freight, $\frac{1}{4}$ pk. 75c, pk. \$1.25.

I have transacted business with you to the extent of hundreds of dollars and I have found your business methods courteous and straightforward; careful in representations and honest in your dealings. Please send 4 bu. more of Golden West Seed Corn.—D. E. Schoonover, Montgomery county, Iowa.

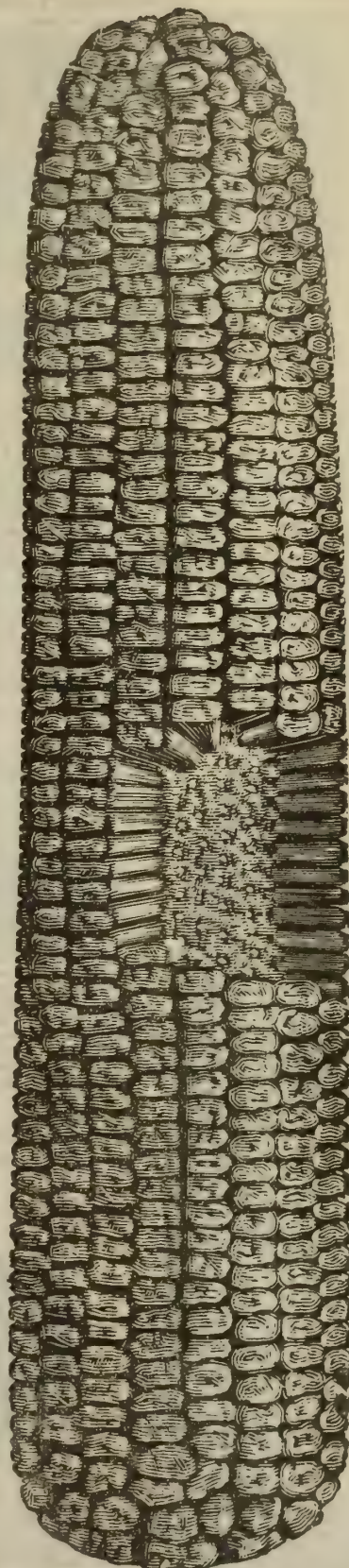


PROFIT CORN.

A most profitable corn for any farmer who has live stock to feed. We introduced this grand new variety and it has given excellent satisfaction everywhere. It originated from a carefully prepared cross of two well-known sorts on the farm of a seed grower in Madison county, Iowa, which is the county that produced our world-famous Iowa Gold Mine. For nearly twenty years this corn has been bred up until now it is claimed to be the heaviest and most solid ear of any variety in existence, and of good size. It ain't a handsome corn, but it's got money in it. The color of the surface of the ear is variegated from light sulphur to reddish orange, being agreeably diversified, making it particularly striking in appearance. With some this might be an objection if they desire to sell it in the ear, but when shelled it looks quite uniform in color as the variation is simply in color of the cap or top of grain. The purpose of the originator was to fix a type of field corn for profit, superior to any in cultivation, and profit in corn growing, as we understand it, means the largest crop of Shelled Corn (not cobs) maturing in a reasonably short time, and of the best quality. Ears of large size, grain is very deep, cob small and dries out rapidly, thus making it a sure cropper. The corn is so solid on the cob that the kernels appear as if driven in and it shells out immensely. Will produce a larger crop on poor soil than any variety we know of and with good culture will astonish everybody. It is the corn to plant and we want all our customers to try it. Order early as our stock is limited. Pkt. 5c, lb. 25c, 3 lbs. 60c, postpaid. By freight, pk. 65c, bu. \$2.00, 2 bu. or more @ \$1.35; 10 bu. @ \$1.75.

I was much pleased with your Profit Corn this season, as it gave an exceedingly large yield.—J. H. Luddington, Ashtabula county, Ohio.

The Profit Corn I received of you last spring has the right name. It is the best corn for stock. It grows large and is solid and also contains a greater proportion of fat than any of our corn in this country. The Iowa Gold Mine Corn I received of you is beautiful in color, shape and size.—B. J. Clarida, Williamson county, Ills.



IMPROVED WORLD'S FAIR.

LENOCHER'S HOMESTEAD.

For those who desire a first class variety of red corn, this is the one we would recommend above all others. It is one of the best varieties for feeding purposes, not being hard enough to prevent stock from eating it easily and masticating it thoroughly. It is well known in Iowa for having won the Iowa Homestead prize of \$100.00, yielding 315 bushels on three acres with ordinary culture. It was also awarded a diploma at the World's Fair. It originated with Mr. G. F. Lenoche, one of the most practical corn growers and stock feeders in the state, and was named and introduced by the Iowa Seed Company. Its color varies from light red to a very dark red, almost black, but most of the ears are dark red with light colored cap; grain deep and lusked; ear somewhat above the average, small cob which dries out rapidly so that it is not apt to be caught by frost. We believe it to be a safe corn to plant. It makes excellent corn for feeding although its color is sometimes objectionable for marketing. Our stock has been carefully selected for seed purposes. Packet 5c, pound 25c, three pounds 60c; by freight, peck 60c, bushel \$1.75, two bushels or more @ \$1.60, ten bushels for \$15.00.

Your Lenoche's Homestead Corn is out of sight. My neighbors bought all I could spare for seed purposes, and I had hard work to keep seed enough for my own use.—Frank Deegan, Seneca county, Illinois.

Your Lenoche's Homestead Corn is the best hog corn I ever fed. It is the earliest variety in this part of the country.—John Absrie, Doniphan county, Kansas.

LEGAL TENDER.

This is now one of the most prominent late varieties of yellow dent corn in the country. It is the result of about ten years' selection by a seed corn specialist in Iowa, and has taken first premium at many state and county fairs. The corn is productive, and of uniform pure yellow color, ear very large and long and a deep grain on a small cob, while the stalk does not grow too large. The introducer says: "Our ideal ear is an ear two-thirds as large around as it is long, containing sixteen to twenty rows, and small shank. The kernels are deep, the cob is small at the butt and the ear holds its bigness toward the point, and the butt run out straight and not crinkle." It matures in about 115 days, but we do not recommend it for the extreme northern portion of this state. Our stock of this is extra select, grown from the originator's stock seed, but improved in earliness by being grown in a more northern latitude. Pkt 5c, lb. 25c, 3 lbs. 60c. By freight per peck 60c, bushel \$1.50, 2 bushels or more @ \$1.35, 10 bushels for \$12.50.

"Your Legal Tender Corn took first premium for the best yellow corn at the Cass county fair. It was very fine."—F. B. Van Orman, Cass county, Iowa.

STAR LEAMING

The Leaming corn, which originated with Mr. Leaming, of Ohio, was always a good variety, but it had some serious faults for culture in this state, and we refrained from giving it our endorsement. A few years ago we found an extra fine lot in the hands of an enterprising Iowa farmer, who had been selecting it for many years. We were greatly pleased with it, but we were not willing to offer it to our customers without still further selection. We now have a corn which is a great improvement on the Leaming, but it retains all the valuable characteristics of these varieties, so that instead of giving it a new name we call it Star Leaming to distinguish it from other strains. The ears are large and handsome, with deep large grain of rich deep orange color, on a medium to small cob. It grows to medium height, setting the ears about four feet from the ground, husks easily, and the corn is snug on the cob, thus making a very good, heavy feeding ear. Surface is quite smooth for dent corn. It is very productive, and sets the ideal variety for sowing in the ear. We sold many thousands of bushels of this variety last season, and expect to exceed the record this spring. Don't plant common corn when you can obtain this grand variety so cheap. Pkt 5c, lb. 25c, 3 lbs. 60c, postpaid. By freight, peck 50c, bush. \$1.50, 2 bushels or more @ \$1.35, 10 bushels for \$12.50.

The seed corn I bought of you last spring was the best investment I ever made. It produced fifty double ears much as that of my neighbors and it is of the finest quality.—W. C. McHenry, (Chas.) county, Iowa.

The seven acres of corn we planted with seed from your firm is the best field here in this county. It runs from the top to the bottom on each stalk.—D. M. McKinley, Kane county, Illinois.

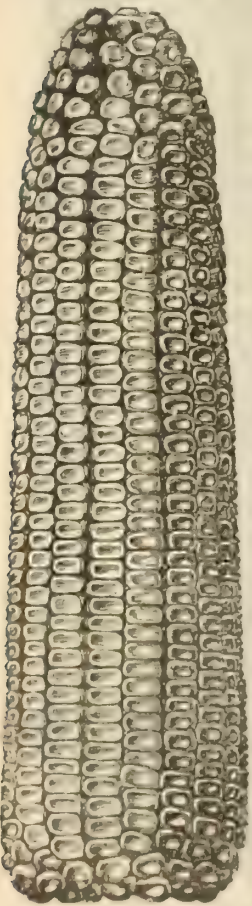
The crop of Legal Tender Corn grown from seed received of you last spring is the best crop of corn I ever raised. It has matured well and I am very much pleased with it.—J. L. Walker, Peck county, Iowa.



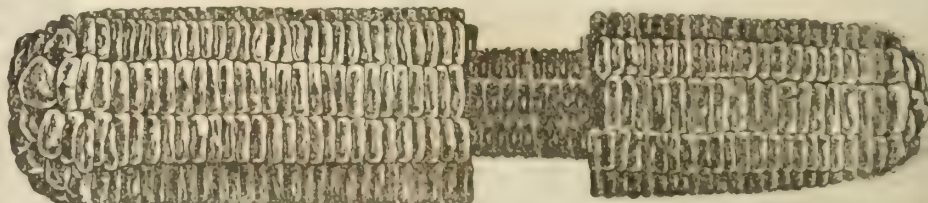
LENOCHER'S HOMESTEAD



LEGAL TENDER



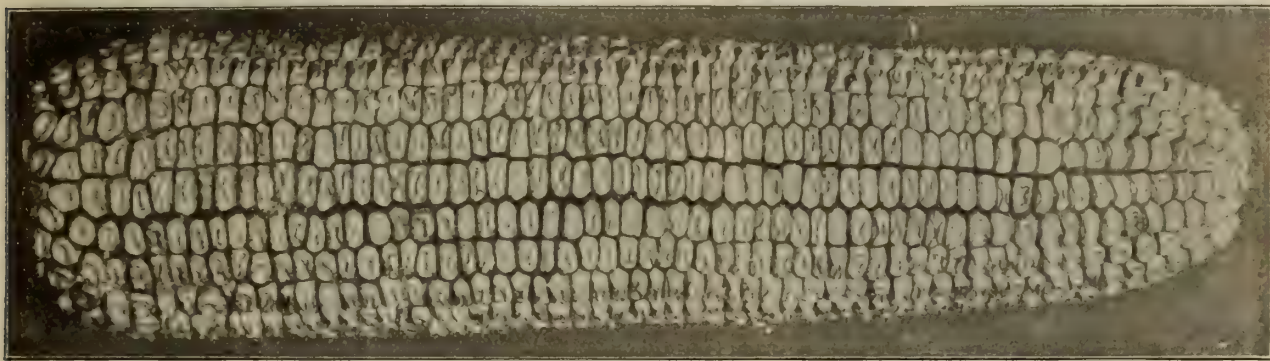
STAR LEAMING.



MINNESOTA KING

A very early, large grained variety which is in great favor with our customers in Minnesota, Wisconsin and the Dakotas, and it is considered there the most profitable and best yielding corn to raise under the weather conditions favorable or not. It is a very old half dent variety with broad, rich, golden yellow kernels. Ears of fair size, with small cob and usually only eight rows. One Michigan farmer writes that the Minnesota King corn yielded about 100 bushels per acre, but this is more than the average yield, as it is not a large variety. On account of its healthy and vigorous growth in its early stage it can endure more drought, heat, and cold weather than most other corns, and being extremely early, it is soon out of danger of frost. The stalks grow to a medium height, are thin and well branched so they will withstand the strongest winds. In appearance the Minnesota King corn is remarkably distinct. The kernels are very large, broad, and of a rich golden color, the ears of medium size and always well filled to the tip. Per pkt. 5c, lb. 25c; 3 lbs. 60c, postpaid; by freight, peck 60c; bu. \$1.75; 2 bu. or more @ \$1.60; 10 bushels for \$15.00.

USE THE ROTARY HAND CORN PLANTER FOR SMALL FIELDS OR REPLANTING. PRICE \$1.50.



IMPROVED EARLY MASTODON.

IMPROVED EARLY MASTODON.

For about 15 years past Clark's Early Mastodon corn has been a prominent variety, owing to its productiveness and large sized ear. In the celebrated *American Agriculturist's* corn contest in 1889, Early Mastodon out yielded every other yellow corn in America. Mr. Alfred Rose, of New York state, raising 213 bushels of shelled corn to the acre. It was, however, rather late, and was frequently caught and greatly injured by early frost. For ten years past, however, one of our most careful, painstaking seed growers in central Iowa has been selecting it to obtain the earliest maturity possible and still retain its large sized ear and great productiveness. His success has been remarkable, and we now have an improved variety with mammoth ear, much smaller cob and deep grain. The butt of the ear is not so disproportionately large. It dries out quickly and ripens easily in 110 days, while it required 130 days for the old variety. Ears are quite even in size and four of them weighing 6½ pounds took first prize at fair. Farmers who delight in a handsome, large eared variety, will be pleased with the Mastodon, and when crop is harvested no one can fail to be delighted with the yield. The corn has a strong, rapid, vigorous growth, and is also desirable for fodder purposes. Pkt. 5c, lb. 25c; 3 lbs. 60c, postpaid; by freight, pk. 60c; bu. \$1.60; 2 bush. or more @ \$1.50; 10 bush. for \$14.00.

"I planted the Mastodon Corn received from you on May 26th, it grew 10

IMPROVED EARLY YELLOW FLINT.

An eight rowed yellow flint variety with ears from 10 to 15 inches long, 1½ to 2½ inches in diameter, and are well filled out to the extreme end of cob. The cob is small and the kernel large and broad, ripens in 75 to 85 days. This corn is well adapted to the northwest and is said to produce 200 bushels of ears to the acre in Massachusetts. Has given excellent results in Minnesota and other northern states. Excellent for ensilage and is often used here for replanting. Pkt. 5c; lb. 25c; 3 lbs. 60c, postpaid. By freight, pk. 65c; bush. \$2.00; 2 bush. or more @ \$1.85; 10 bush. for \$17.50.



IMPROVED EARLY YELLOW FLINT.

IOWA YELLOW DENT.

We always advise farmers to select the best named varieties in buying seed corn, and believe it pays them in the long run. This year, however, there are thousands of farmers in need of seed corn, and their main object is to secure at a low price a nice grade of good yellow corn which is well matured, thoroughly tested, of strong vitality, and will produce a good crop of sound corn. While this corn is not equal to our best named varieties, still we believe you will find it superior to nine-tenths of the corn in your neighborhood. At our price it will cost you only about 15 cents per acre to plant your fields with this variety and it will pay you well to order sufficient for your planting. Pk. 50c; bush. \$1.25; 2 bush. or more @ \$1.10; 10 bush. for \$10.00.



PRIMITIVE OR HUSK CORN.

PRIMITIVE OR HUSK CORN.

It is from this wild variety that all of our cultivated sorts have sprung. The ears are of fair size and each individual kernel or grain is covered with a husk and all enclosed in an outer husk like common corn. In some of the wild and uncultivated parts of Mexico, the Primitive or natural corn can still be found growing wild. It is quite curious and valuable for exhibition purposes, and attracts great attention wherever it is seen. Some stalks bear as many as 20 ears. Per pkt. 10c. Specimen ear for 40c, postpaid.

REID'S YELLOW DENT.

A well known variety which is very popular in Illinois and has taken many prizes at various corn shows and fairs, it being grown quite largely for an exhibition corn. Until recently it has been but little known in Iowa, though during the past two or three years much has been said about it at corn shows and in agricultural papers. It has also been used as a standard at the corn judging school. This variety has been bred up by selection for more than fifty years by Robert Reid and his son, J. L. Reid, and its characteristics are fixed and quite constant. The ear is of excellent shape, nearly cylindrical, tapering slowly to tip; length about 9½ inches, kernels firm on cob, eighteen to twenty-four rows with narrow space between rows, color medium yellow with red cob. The ear is quite solid and rather smooth; matures in about 110 days and yields well although not equal in this respect to some other sorts. Grown quite largely by farmers who take pride in the quality of their corn, or desire it for exhibition. We procured stock seed from the originator three years ago and have grown it near Des Moines each year since and it is now well acclimated here. We can furnish strictly pure, carefully selected seed at the following prices: Pkt. 5c; lb. 25c; 3 lbs. 60c, postpaid; by freight, pk. 50c; bush. \$1.50; to bush. or more @ \$1.35; ten bush. for \$12.50.

to 12 ft. high, biggest ears I ever saw.—I. C. Tapley, Floyd county, Iowa.

ST. CHARLES WHITE.

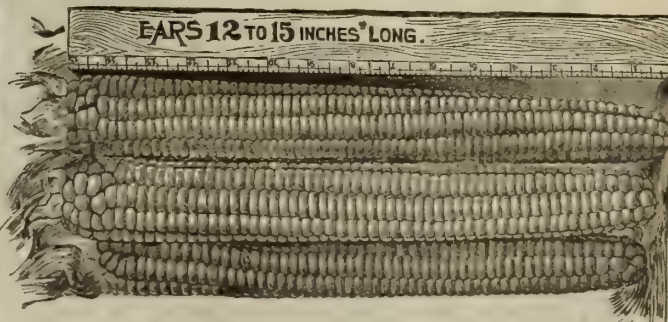
This variety is quite popular with some of our customers in Missouri and makes a good crop in southern Iowa, though we do not recommend it north of central Iowa. It is a handsome pure white corn, set on a red

cob, and the corn appears to be much clearer white than most of the white varieties. The ears are usually 8½ to 10 inches in length, 16 rowed, and the kernels are quite deep and broad. Stalk grows to medium height, but has quite broad succulent leaves and

therefore desirable for fodder purposes; is also known as Giant Red Cob Ensilage. We believe that our customers throughout the south will be well pleased with this corn as a grain crop, and it is of superior value, everywhere, even in Manitoba and the far north, for fodder and ensilage. Pkt. 5c; lb. 25c; 3 lbs. 60c, postpaid. By freight, peck, 60c; bushel \$1.75; 2 bush. or more @ \$1.60; 10 bush. for \$15.00.

SANFORD'S EARLY WHITE FLINT.

This standard variety is considered the best flint corn on the market. The ears are of unusual length, 12 to 15 inches and of handsome shape, flinty white color. Plant is of sturdy, vigorous growth; the leaves are very broad and succulent, and it is therefore of great value for fodder and ensilage, as well as for a grain crop. The stalks usually bear 2 or 3 long ears. You will be pleased with it if you like flint corn. Pkt. 5c; lb. 25c; 3 lbs. 60c, postpaid. By freight, pk. 65c; bush. \$2.00; 2 bush. or more @ \$1.85; 10 bush. for \$17.50.



SANFORD'S WHITE FLINT.

SOW DWARF ESSEX RAPE AND OBTAIN THE BEST HOG PASTURE YOU EVER HAD.

The Irish Victor

OUTYIELDS
EVERY OTHER
VARIETY.

TRY IT!



SEED OATS.

A change of seed oats is even more important than a change of seed potatoes, and it will pay you to renew your seed oats this year by sowing some of our improved varieties and thus greatly increase your yield. Any variety, except where noted, at 25c per lb; 3 lbs. 60c by mail postpaid.

IRISH VICTOR.—Introduced by the Iowa Seed Company. A grand variety and the most productive ever brought out. It is probably known to but few farmers that almost all of the new varieties of oats originated either in Scotland, Northern Ireland or New Zealand, and it is to these countries we are obliged to look for improved sorts. The Irish Victor brought over from Ireland 7 years ago, has proved superior to all other sorts grown in the same section, in vigor of growth, stiffness of straw, and productiveness. The straw is very stiff, holding the heavy head up well. It is fully as early as the Lincoln and yields more than that very productive variety. The grains are large, plump and heavy. Plant grows to medium height, of vigorous growth, stools out exceptionally well, is free from rust and yields an immense crop. It is a close, round headed variety not as much sprangled as some sorts but still not a side head. Better put in a field of them this year and not only secure a larger crop than you have been in the habit of growing, but be prepared to supply your neighbors with seed at a good price. They will all want it. Pk. 40c, bu. \$1.20, 2 bu. or more @ \$1.00, 10 bu. or more @ 90c, bags included.

The Irish Victor are the best and most productive oats I have ever raised. They have stiff straw and stand up better than any other sort.—J. J. Dorman, Poweshiek Co., Iowa.

LINCOLN.—When we introduced these oats to our customers in 1898 they had never been tested in this state, but had done so exceptionally well in Minnesota, that we had much faith in them. Seven prizes amounting to \$500.00 were offered for the largest crops grown from one bushel of seed sown and in our 1894 catalogue we published a list of the awards, the first prize going to a man who grew 174 bushels from one bushel of seed sown, and the average of seven successful competitors was 116 bushels each. What we claim for the Lincoln Oats is that it is a heavy yielder, is comparatively early, has proved itself to be entirely rust proof, and stands up exceptionally well. On account of its soft nib, heavy meat, and thin hull it is unsurpassed for feeding and making into oatmeal. Per pk. 35c, bu. 90c, 2 bu. or more @ 80c, 10 bu. or more @ 70c.



The Lincoln Oats went about 25 per cent more per acre than other white oats on same kind of ground I sowed them just as I did the others.—C. F. Herrick, Buchanan County, Iowa.

EARLY CHAMPION.—This grand new variety which was introduced in 1898, has given excellent satisfaction to our customers and it gave the largest yield per acre of any variety in the test at the Iowa Agricultural College, and is highly recommended by them. Has comparatively short straw, matures a week to ten days earlier than other kinds, largely escaping the liability to rust. Its greatest value lies in its adaptability as a nurse crop to sow with grass seed, as it does not stool as freely as some other sorts. Will not lodge on rich land. Henry Wallace, editor of Wallace's Farmer says: "I would rather risk growing grass seed with them than with any other variety I know of." Pk. 35c, bu. 85c, 2 bu. or more @ 75c, 10 bu. or more @ 65c.

SILVER MINE.—A popular variety in some sections; has the reputation of yielding immense crops of 100 to 160 bu. per acre. The grain is usually large, plump and heavy, but has a reasonably thin hull. It is quite a hardy, vigorous variety and has greatly pleased our customers. It stands up well and has shown little tendency to rust. Our seed was grown from headquarters stock and is nice. Pk. 35c, bu. 85c, 2 bu. or more @ 75c, 10 bu. or more @ 65c.

WINTER TURF.—This valuable grain has for several years been growing in favor and use in many parts of the south and has proven valuable, both for the grain and for winter grazing. The oats may be sown any time from August until October. We have also sown these oats in the spring and they have done well. Per pk. 60c, bu. \$1.50, 2 bu. or more @ \$1.35.

BLACK TARTARIAN.—While attending the Royal Agricultural Show in Cardiff, Wales, we saw a fine lot of English grown Black Tartarian Oats on exhibition there, and knowing there would be a considerable demand for these from our customers we arranged for a stock, which is of quality far superior to any which we have ever seen before. This is the most hardy and most productive variety of oats that we know of; 442 grains have been grown on a single straw. It stools freely and grain is short and plump, of best possible quality. The English farmer, Mr. Bennett, says, "I sowed nine bushels on three acres of land last year and they yielded 365 bushels; this is equal to about 122 bushels per acre." We believe that many of our customers will want to try them this year and although the expense of importation was quite heavy, we are enabled to offer them at the comparatively low price of 75c, per peck, bushel \$2.25, two bushels or more @ \$2.10, 10 bus. or more @ \$2.00. Stock comparatively small; order early if you want them.

SPELTZ.

A Valuable New Grain from Russia.

This most wonderful new grain was first introduced in this country by the Iowa Seed Co., and has proved of great value, and it is now listed by almost all of the leading seedsmen. It is botanically known as *Triticum Spelta* or *Emmer*, and is supposed to be the grain grown in Egypt in the time of Moses. It is mentioned several times in the Bible. For centuries past it has been grown in a limited way in Eastern Russia near the Caspian Sea, its value not being known to the civilized world. Is of high value for feeding and will make a fair grade of flour similar to rye. Will grow well and produce immense crops on poor soil, and dry weather appears to have no effect on it; will make a good crop with almost any condition of soil or climate. It makes excellent pasture and good hay if cut at proper season. Yields 70 to 100 bu. grain to the acre besides several tons of straw for feeding. The grain is much richer than corn for feeding and of superior quality for fattening hogs, cattle, sheep, poultry, etc. May be sown either in the fall or spring, 50 to 75 lbs. per acre. Per lb. 25c, 3 lbs 60c, postpaid. By freight, pk. 50c, bu. (40 lbs.) \$1.10; 2 bu. or more @ \$1.00; 10 bu. or more at 80c.



GRAINS OF SPELTZ.

TRY THE SPLENDID NEW GRAIN, RYE-BUCKWHEAT, THIS YEAR.

Seed Wheat.

No crop is more important and profitable than a good wheat. If farmers would pay more attention to having the proper soil conditions, securing the right kind of seed and getting it in properly they would find it as profitable a farm crop as can be raised. A great many have grown our improved varieties the past few years and have received yields from 30 to 50 bu. an acre and they sold their crop the last season for \$1.00 or upwards per bushel. The following varieties we are confident are best and most profitable to grow.

VELVET CHAFF SPRING WHEAT

—This is now the standard variety for growing in Iowa, having displaced all the older sorts. It has proved much superior to Scotch Fife, Saskatchewan and other sorts, being fully equal in quality, earlier, more sure and yielding much larger crops. It is a remarkable semi-hard spring wheat, yielding large crops free from rust. It is now the main crop in the northwestern states, and the great milling kings use it for their highest grade flour, as it has been the most reliable variety, year after year yielding a good crop where other kinds fail. Owing to the crop of spring wheat being so badly damaged last season we are obtaining our stock from the north and it is very nice and we are sure it will please everyone who tries it. All stock seems to be a trifle mixed and it is impossible

to obtain that which is strictly pure, but we think this variety we are offering is as pure as can be obtained. Per lb. 25c, 3 lbs. 60c, postpaid; by frgt., pk. 50c, bu. \$1.60; 2 bushels or more @ \$1.50



HAYNES' PEDIGREE WHEAT.—We cannot too highly recommend this grand new variety as being the best kind of spring wheat and we are sure it will please everyone who tries it. It was originated by Mr. L. H. Haynes, who spent eight years in selecting and improving it in his garden, each year choosing all the largest and best heads and discarding all the balance. This continued selection has had the effect of improving it in vigor, size of head and quality. For the past few years he has been growing it as a farm crop, taking the greatest pains each season to keep it strictly pure, and by going through the fields and removing everything that was not of ideal quality, he now has a variety which is sure to please all wheat growers. The heads are very large, well filled out, the kernel is hard, the plant stools greatly, and, under ordinarily favorable conditions will yield 40 to 50 bushels per acre. It is an improvement on Blue Stem wheat and fully five days earlier in maturing. We most highly recommend this variety to customers everywhere in the wheat growing belt. Not only in the northwest where wheat is the main crop, but everywhere and under all conditions has this pedigree blue stem wheat proved itself superior to other varieties, outyielding them all. Lb. 25c, 3 lbs. 60c, postpaid; by freight, peck 65c, bu. \$1.75, two bu. or more @ \$1.65.

"I was very much pleased with Haynes' Pedigree Blue Stem wheat last year. The weather was very unfavorable for small grain, but it yielded nearly double the crop that my other wheat did and of much better quality"—G. Rubes, Dickinson County, Iowa.

IDEAL WHITE HULLESS BARLEY

Is an ideal that pleases all who try it. The heads are large and well filled with big plump kernels which are hullless and of great value for feeding. Those who have grown it say that it produces a very much larger crop than any other. It weighs 60 to 65 pounds to the measured bushel, while ordinary barley weighs only 48 lbs. The straw is very stiff and strong. It is the handsomest, most productive and best variety that we know of. The kernels shell out without the hulls and are the prettiest and handsomest white berry, plump and oval in shape, that has ever been grown. Is not a malting barley, but can be used for feeding only, and as a fattening feed for hogs it has no equal. Is a vigorous grower and can be sowed after all the other grain is sown, and it will mature before wheat oats will. Per lb. 25c; 3 lbs. 60c, postpaid. By freight, pk. 65c, bu. (48 lbs.) \$2.00; 2 bu. or more @ \$1.85; 5 bu. or more @ \$1.65.

SUCCESS BEARDLESS BARLEY.

Earliest barley known. The straw is about the height of common barley, but better, and will stand up on any land; on good land has produced 80 bushels per acre. Sow as early as you can; frost does not hurt it. Many farmers will not grow barley on account of the long, harsh beards which are so disagreeable in threshing, although it is a profitable crop. This is beardless and as easy to grow and handle as oats. It has hulls like the Mansury or any other old variety, and is a heavy cropper, yielding from 50 to 75 bushels per acre, and the quality is excellent both for malting and for feeding hogs and other stock. Seed is scarce this year. Per lb. 25c, 3 lbs. 60c. By freight, pk. 50c, bu. \$1.25; 2 bu. or more @ \$1.15; 10 bu. or more @ \$1.00.

MANDSCHEURI BARLEY.

A popular, six-rowed beard sort, maturing in 80 to 90 days from time of sowing; very strong strawed and stools well, bearing large, well-filled heads of plump-berried grain, possessing malting qualities of a high order. Mandschouri, in a comparative test of 37 varieties sown under the same conditions, easily outdistanced the whole field by an average yield of 15 bushels more per acre. Per lb. 25c, 3 lbs. 60c, postpaid. By freight, pk. 45c, bu. \$1.25; 2 bu. or more @ \$1.15; 10 bushels or more @ \$1.00.



IDEAL BARLEY.



DEFIANCE WINTER WHEAT.

DEFIANCE WINTER WHEAT.—Introduced by the Iowa Seed Company and we claim for this new wheat that it is unequaled in hardness, stooling qualities, productiveness, rust proof qualities, strength of straw, quality of grain, quality of flour and the best in all respects of any wheat ever offered. It has a record of over 59 bushels per acre, and many crops are reported of 35 to 45 bushels. Flour is equal to the world-famed Hungarian product. Everyone is delighted with it. Ask for price in the fall. Price for shipment now by mail, per lb. 25c, 3 lbs. 60c; by freight, pk. 50c, bushel \$1.50; 2 bush. or more @ \$1.40.

TURKISH RED WINTER WHEAT.—The old standard sort of ironclad hardness and very productive. Per lb. 20c, 3 lbs. 50c; by freight, peck 40c, bu. \$1.40; 2 bu. or more @ \$1.30.

MACARONI WHEAT, also called

Corn Wheat.—Few people have any idea of the immense quantity of macaroni used in this country, and until recently it has all been imported. It requires a special kind of wheat to make it—the best being known botanically as *Triticum Prolonicum*. It is a very heavy yielding variety and does especially well in the semi-arid plains. It seems to be always a sure crop and will mature in a shorter season than any other wheat and is therefore desirable for Minnesota, Dakota, Manitoba and the northwest. It does well on good soil, but the yield is larger and quality better when grown on poor land. The grain is very hard and nearly double the size of any other kind of wheat. Sow seed early in the spring, about 1½ bushels per acre. Don't fail to try it. Per lb. 30c, three lbs. 75c, postpaid; by freight, ½ pk. 50c, pk. 85c; bu. \$2.00, 2 bu. or more @ \$1.85.

Mr. Zavitz, of Ontario, writes us that he has grown it for eight years past and the average yield has been 39 bushels per acre.

EARLY JAVA WHEAT.—A new variety of spring wheat which has proved to be about ten days earlier than Velvet Chaff or other standard sorts, and thus escapes the extreme hot weather which is so injurious to small grain. It is usually ready for harvest just as early as winter wheat, and is therefore desirable to sow on land where winter wheat has partially failed. A good crop can in this way be secured from fields which would otherwise be unprofitable and the wheat would be all right for milling purposes, but of course would not do for seed. It is a good vigorous growing bearded variety, bearing a heavy head on stiff straw. Yields in this locality under ordinary conditions thirty-five bushels per acre. Per lb. 25c; 3 lbs. 60c, postpaid; by freight, pk. 75c; bus. \$2.00; 2 bus. or more @ \$1.85.

BAGS FREE

Please remember that our prices on Seed Wheat, Barley, Corn and other grain includes cost of Bags for shipping.

DWARF ESSEX RAPE.

This is beyond all question the most popular and profitable of all forage plants, and everywhere it is giving the best satisfaction. It is easily grown anywhere and stands unsurpassed as a forage plant for hogs, cattle or sheep. They eat it greedily and seem to prefer it to any other pasture during the summer and till late in the fall or early winter. It can be sown early in the season to provide early pasture for sheep and swine, or sow in small grain a week or so before cutting to provide pasture after harvest, or sow on the stubble, but it is usually sown in June, July or August with corn or potatoes or on well prepared land alone for summer and fall pasture. Makes a wonderfully productive pasture for sheep, hogs and cattle, and they gain flesh so rapidly that they soon "weigh like lead." While it is the ideal food for sheep still it is of equal value for hogs and cattle as they are very fond of it. It is extremely cheap and very prolific, having yielded twenty tons of fodder per acre. In the east it is usually sown in drills, two to three pounds per acre, and cultivated, but in western states it is almost invariably sown broadcast, four to five pounds per acre and it grows so rapidly that all weeds are quickly smothered. The United States Department of Agriculture claims that it adds greatly to the fertility of the soil for the following grain crop. A Nebraska farmer says that he sowed only 3 pounds per acre on a four and one-half acre field, and five weeks after sowing he turned eighty head of hogs and forty pigs into the field and they pastured there constantly until October. The plants grew so rapidly that at no time could he tell where the hogs had been twenty feet away from the gate. Our stock is the true Dwarf Essex, imported by us in a load lot direct from the best grower in Essex England. Beware of low prices on rape seed this year, as some unscrupulous dealers last year substituted German Rape, which can be sold for less than half price, but it goes quickly to seed and is worthless for forage purposes. Per packet 5c, pound 30c, three pounds 75c, post-paid; by freight, five pounds \$1.00, ten pounds \$2.00, twenty-five pounds \$1.75, one hundred pounds \$5.75. Write for circular on growing rape.

**EVERGREEN SWEET FODDER CORN.**

The past two years seed sweet corn has been so scarce and high in price that we did not urge our customers to plant it, but last year we grew a splendid crop both in quality and quantity and are therefore enabled to offer it at a very low price. We consider this one of the most valuable fodder plants in existence, and stock farmers should all devote some land to it. The stalks are sweet, juicy, rich, tender and very nutritious. The leaves, which are very numerous, are large, broad, succulent, and greatly relished by all kinds of stock, being far superior in every respect to all other kinds of corn. On strong soil it will grow 10 to 12 feet high and produce an almost incredible amount of fodder which when well cured is quite equal to hay, besides being wonderfully cheaper. It is claimed by dairy farmers that this fodder will increase the milk and cream production greatly and keep the animals in the best condition. It has the further merit of being so sweet and palatable that cattle eat every part of the stock and leaves. As a green fodder for cutting in the summer, one acre is worth as much as eight acres of ordinary pasture. Of high value also for the hogs, and an excellent plant to plow under for soiling. Sow thickly in drills, or broadcast at the rate of two bushels per acre. Tk. 60c, bush. (measured) \$1.75; 2 bu. or more @ \$1.50.

EARLY FODDER SWEET CORN.

Will make feed much earlier than the above and is very nice to feed when in roasting ear. Not as large a yield. Pk. 60c, bu. \$1.75; 2 bu. or more @ \$1.50.

TEOSINTE.

A fodder plant grown largely in some parts of the country. Somewhat resembling corn in its general appearance, but the leaves are much longer and broader and the stalks contain sweeter sap. In its perfection it produces a great number of shoots growing as much as 12 feet high; very thickly covered with leaves, yielding such an abundance of foliage that one plant is considered sufficient to feed a pair of cattle for twenty-four hours. Eighty-five stalks have been grown from one seed, attaining a height of eleven feet. Horses and cattle eat it as freely as young sugar corn. Plant as soon as ground becomes warm at usual corn planting time, in hills, three to four feet apart each way, two seeds to the hill. We advise all those interested to give it at least a trial so as to be ready to plant larger quantities hereafter. Teosinte is one of the heaviest yielding forage plants known, having yielded 50 tons of fodder to the acre. Large pkt. 5c, oz. 10c, 1 lb. 30c, 3 lbs. \$1.00, 3 lbs. (sufficient for one acre) \$2.65, by mail prepaid.

TREE AND HEDGE SEEDS.

BY MAIL POSTPAID.

Variety.	Pkt.	Oz.	1/4 Lb.	1 Lb.
Apple.....	.05	\$.10	\$.30	\$.90
Ash, White.....	.05	.10	.20	.60
Box Elder.....	.05	.10	.20	.60
Catalpa, Hardy.....	.05	.10	.25	.85
Louist, Black.....	.05	.10	.25	.75
Louist, Honey.....	.05	.10	.25	.75
Mulberry, Russian.....	.10	.35	1.00	3.25
Osage Orange.....	.05	.10	.25	.75
Tree of Heaven.....	.05	.10	.25	.75

Ask for price on large lots.

NITRO-CULTURE**THE VEST POCKET FERTILIZER.**

For centuries it has been supposed that the wart-like excrescences which appear on the roots of clover, peas, beans and other leguminous plants was a disease, but the fact that these are most prominent and plentiful where crop is extra good, has led to experiments and recently it has been proven that they are the results of bacteria or microbes. These organisms live in the soil and they cause the plant to produce the little nodules or tubercles on the roots. Through these tubercles the plant is enabled to absorb nitrogen from the air, thus adding to the fertility of the soil after a good crop of clover, beans, etc., has been grown. Now, strange as it may appear, there seems to be different forms of bacteria for different kinds of plants, and the eminent scientist, Geo. T. Moore, has discovered a means of artificially propagating the bacteria and applying them to plants. The U. S. Dept. of Agriculture has thoroughly tested this process, and side by side were grown experimental crops of clover, on the same sized plots and under similar conditions in every way. The natural clover yielded 372 lbs. of hay and that which had been inoculated yielded 622 lbs., or nearly 17 times as much.

The reason that Kansas, Nebraska and Colorado, can produce such immense crops of Alfalfa, while it has in so many cases proven a failure in Iowa and states further east, is that the proper bacteria is missing here. During the past three years enterprising farmers have shipped in car-loads of soil from the western Alfalfa fields and sprinkled it over their fields, and it has given wonderful results. By the new process this great labor and expense has been done away with and the bacteria of Nitro-Culture germ is sold in dry packages like a yeast cake, which can be dissolved in water as per instructions which accompany each package. When seeds are sprinkled with this solution before planting, the germs multiply very rapidly in the soil. We furnish the Nitro-Culture for clover, alfalfa, clover, alfalfa, soy beans, cow peas, vetches, peanuts, wax beans or lima beans, at \$3.00 per package (sufficient for one acre), charges prepaid with full directions for use.



TEOSINTE.

FODDER AND FORAGE PLANTS ARE A PROFITABLE PART OF THE FARM PRODUCTS.

**95 TONS
Green Fodder
Per Acre**



**25 1/2 lb.
Will Plant
ONE Acre**

PENCILARIA.

This wonderful fodder plant has proved a great boon to farmers especially in dry sections of the country where they have been delighted with it. When we first introduced Pencillaria to the farmers of this country there were many who looked incredulous at our statements of its wonderful productiveness, but still it created a great deal of interest and fully 75,000 farmers in all parts of the United States gave it a trial. In spite of the unfavorable season it proved wonderfully satisfactory and they evidently told their neighbors of it as there has been a great demand for the seed during the past two years, largely from those who had previously tested a small sample of it, and who say that they are satisfied that there is no plant in existence equal to it for quick growth, immense size and superior quality. The same report comes from all parts of the country except the extreme north, and even in the most northern states and Canada, there are many who like it. It is without parallel in productiveness. It does not do so well wet seasons being particularly a dry, hot weather plant.

HISTORY About thirty years ago a New York City seedsman introduced to the farmers of the United States a plant known botanically as *Pencillaria Spicata* or *Pennisetum Typhlodeum*, and renamed it Pearl Millet although it is not really a millet. It soon became popular in the south but could not be so successfully grown in the north. There are said to be eight varieties of this plant growing in Africa, and a more recent importation from there has proved much better for growing in the north. It is now so well acclimated that it yields a wonderfully large crop, even in the northern states. A comparative test with Pearl Millet shows that Pencillaria is of stronger, more vigorous growth, stools out better, the leaves are broader and more succulent, it grows more vigorously after being cut, and many of our customers report having cut four to seven crops during the season. It also produces a good, profitable crop in sections where Pearl Millet is a failure.

DESCRIPTION The seed is very small, about the size of a pin head, and it is really wonderful that it should produce such an immense growth of foliage. When it first comes up it looks like grass, but very soon changes its appearance so that it more nearly resembles corn, growing very rapidly and having broad, succulent leaves. It stools out wonderfully, our customers reporting as high as 76 stalks grown from one seed. One of the most noted farmers and agricultural writers in the United States says that he cut the first crop on July 1st, 45 days after sowing the seed. It was then 7 feet high and it weighed, green, thirty tons per acre, and when dry gave six and one-half tons of hay per acre. The second growth was cut on August 14th when the plants were 9 feet high and the crop weighed 55 tons per acre green, and 8 tons per acre dry. The third cutting was made Oct. 1st. It weighed 10 tons green and one and one-half tons dry, thus making a total crop of 95 tons green fodder and when dry made 16 tons of hay, all from one sowing of seed on one acre. If there is any other plant in existence that will afford

**MAKES
16 TONS
OF HAY**



**15 1/2
PER Acre
WILL FEED
1 COW 6 MO.**

such a yield we do not know what it is. Seed may be sown in drills 24 to 36 inches apart dropping 3 or 4 seed to each foot of row. In this way one or two lbs. will plant an acre. Some of our customers sow broadcast 10 to 15 lbs. per acre. Do not sow until the soil is quite warm and do not cover deeply. Cattle, horses and hogs are very fond of the fodder either green or dry and we feed it on our place the year around. Per pkt. 5c, 1/4 lb. 15c, 1 lb. 35c, 3 lbs. \$1.00 postpaid. By express per lb. 25c, 5 lbs. \$1.00, 25 lbs. \$3.75, 100 lbs. \$13.50.

FIELD PEAS.

For northern states there is no crop of greater value than field peas, and none is more neglected, which can only be attributed to a lack of knowledge as to its merits. They are a profitable crop to grow, in that the peas when threshed are always marketable, and they stand in the front rank as a fodder plant, being very rich in the elements that improve the muscle, bone and nervous system. Sow as early as ground can be worked using two bushels peas and two bushels oats per acre.

SCOTCH BEAUTY PEAS.—Best blue field peas. Will yield an immense crop of superior quality. Per peck 60c; bushel \$2.00; two bushels or more @ \$1.80.

WHITE CANADA PEAS.—More used than any other. Per peck 60c; bushel \$2.10; two bushels or more at \$1.90.

WHITE MARROWFAT PEAS.—A large variety and quite popular in some sections. Peck 90c; bushel \$2.75.

WHIP-POOR-WILL COW PEAS.—The most highly valued plant in the south for fodder and reclaiming old or worn out land as it is a leguminous plant of special merit as a fertilizer. The vines when fed green make the best fodder and are very nourishing. The Whip-poor-will is the most popular sort and yields a good crop of both fodder and peas. When ripened the ground peas make the best cattle fattener. Pkt. 5c. lb. 25c, 3 lbs. 60c; by freight, pk. 90c, bu. \$2.75, 2 bu. or more @ \$2.60.

IDAHO COFFEE PEAS.—A new substitute for coffee, not at all resembling the German Coffee Berry. It is a native of Idaho, and has been grown largely in Colorado and elsewhere, producing immense crops at a low cost, one plant sometimes bearing as many as one thousand pods. When roasted and ground it has the flavor of coffee. Pkt. 5c, 1/4 lb. 15c, 1 lb. 40c, 3 lbs. \$1.00.

THE VELVET BEAN.

Nature's great soil restorer. The Velvet Bean is a green manuring and forage plant that is creating a great sensation in the south. The vines grow to a length of ten to thirty feet and form a deep mass of nutritious fodder, and is said to make valuable hay. Plant 1 1/4 pecks per acre in drills five feet apart. Per pkt. 10c, lb. 25c, 3 lbs. 60c, postpaid; by expr. or f.r.t., pk \$1.00, bu. \$3.50.

MAMMOTH WHITE ARTICHOKE

An improvement on the Jerusalem Artichokes. The greatest hog food known. These are attracting much attention owing to their great fattening properties, great productiveness (over 1,000 bu. having been grown on one acre), and easy culture. They need not be dug in the fall; hogs should be turned on them, and will help themselves by rooting for them. One acre will keep 20 or 30 head of hogs in excellent condition from October until April except when the ground is frozen solid. Plant in April or May, 3 to 5 bu. per acre. Per lb. 25c, 3 lbs. 60c, postpaid. By freight or express, peck 40c, bush. \$1.00, 5 bu. or more @ 85c.



ARTICHOKE.

IMPROVED PROLIFIC TREE BEAN.

Also called California Wonder. Undoubtedly the most prolific bean grown, and it will yield a larger crop under ordinary circumstances than any variety that we have ever seen. On our own farm it yielded a crop of forty-one bushels per acre. The beans are pure white, of small size, greatly resembling the "Navy." Per packet 5c, 1/4 pint 12c, quart 85c; by freight, peck \$1.25, bushel \$4.25.

IMPROVED NAVY, or BOSTON PEA BEAN.

A wonderful improvement over the old-time Navy bean and in every way superior to the Michigan pea bean. This variety makes a very desirable farm crop, especially in the far north. Per packet 5c, 1/4 pint 12c, quart 35c, postpaid; by freight, peck 90c, bushel \$2.75, 2 bu. or more @ \$2.60.

EARLY SOJA BEANS.

Coffee Berry, also called Soy Beans.—During recent years this variety has been largely sold under the name of German Coffee Berry at extremely high prices, but we prefer to offer it under its correct name. The berries ripen in about three to four months from the time of planting and produce a crop of 20 to 40 bushels to the acre. When roasted and ground it closely resembles coffee and tastes similar. Some mix half and half with coffee when using and claim it is superior. Its great value to the farmer lies in the fact that when ground it makes one of the most valuable crops for feeding stock and adds very greatly to the milk production. The ordinary soja beans are too late to mature here, but this variety ripens in all of the northern states. Plant in drills two or three feet apart and one foot between plants. Per packet 5c, lb. 30c, 3 lbs. 75c postpaid. By freight, peck \$1.00, bushel (50 lbs) \$3.25.

SEED SWEET POTATOES.

Our stock is grown, stored and handled especially for seed purposes and cannot fail to please all. Prices subject to market changes. We usually ship about April 12th to 20th. Circular telling how to grow sweet potato plants free. See page 23 for price of plants.

EARLY YELLOW JERSEY.—In spite of the many so called new varieties, all of which we have tested, Early Jersey holds the first place. The earliest and most productive; of large, short, chunky shape and of the very best quality. It will probably always remain the most popular market sort. Peck 50c, bushel \$1.50, barrel \$3.25.

YELLOW NANSEMOND.—Like the above, but averaging longer and not so chunky. Peck 50c, bushel \$1.50, barrel \$3.25.

WHITE SOUTHERN QUEEN.—These are the large "Yams" which are so popular in the south. Even the seed potatoes are monster size often weighing several pounds each. Peck 75c, bushel \$2.00, barrel \$4.25.

NEW GOLD COIN

VINELESS.—A novelty of great merit which has become very popular. Instead of having long running vines it is of a dwarf bush-like growth, tubers yellow, medium to large size, quite productive. Peck 75c, bushel \$2.25, barrel \$5.00.

RED JERSEY.—Similar in shape to our Early Yellow Jersey, but dark red color. The quality is excellent. Peck 75c, bushel \$2.00, barrel \$4.50.

Any of the above varieties by mail, postpaid, at 35c per lb.; 3 lbs. \$1.00. Ask for price in quantity.



OUR NORTHERN GROWN SEED POTATOES WILL PLEASE YOU.



CLOVER SEED.

For many years we have made this a specialty, and now have our electrical machinery for cleaning so perfected that we claim that our grades average better than those of most other markets, and believe that they cannot fail to please the most particular. The Nebraska Experiment Station tested clover seed from the leading seed firms of the country, and our seed stood the highest for purity of any west of Pennsylvania, and, with rare exception, the highest of any in the United States.

PRICES.—On clover and grass seeds are changing almost daily, so that we are unable to quote prices which will be invariable. *Don't fail to write for prices before buying.* We issue a price list each week from January to June. If you are in a hurry for the seed you can order it and we will send seed to full value of money sent on day order is received. The following are the prices we are selling at on the date this catalogue goes to press (Dec. 10, 1904.) We prepay postage at the 1 and 3 pound rate; larger quantities shipped at purchaser's expense. Trial packets of any variety at 5 cents each. Grain bags at 20 cents extra.

MEDIUM RED CLOVER.—This is the most important of all clovers and the standard everywhere for hay and pasture. It is known as Common Red or June Clover in many sections. Our Iowa grown clover seed has become widely known for its purity, strong vitality, hardiness, vigorous and healthy growth, and stooing qualities, so that now we receive many orders annually from the most distant parts of the U. S. and also from foreign countries. It has been tested by the Agricultural Experiment Stations in various parts of the country and ranks among the highest everywhere. Well posted farmers are beginning to appreciate the difference between it and ordinary stock. It pays to have the best. Sow 15 lbs. per acre. Per lb. 30c, 3 lbs. 80c, postpaid. Per pk. \$2.10; bu. (60 lbs.) \$7.75. Bags extra 20c each.

MEDIUM RED CLOVER.—Second Grade.—Ask for sample. Per bush. \$7.00.

MAMMOTH RED CLOVER.—Also called Sapling or Pea Vine Clover. This greatly resembles the Medium Red, but is of much taller and more vigorous growth. Nothing equals it for hog pasture as it will produce an enormous yield and is of the highest feeding quality. It gives quick results, making an unequaled crop and is usually considered a permanent pasture grass. If your soil is poor and needs enriching there is no fertilizer as cheap and good as sowing Mammoth Clover and plowing the crop under. It is the clover for poor soils. Sow 15 pounds per acre. Per lb. 30c, three lbs. 80c, postpaid; by freight, peck \$2.10; bushel (60 lbs.) \$7.90.

ALFALFA, or Lucerne Clover.—Very popular in many portions of the country. Under proper management it will yield from ten to twelve tons to the acre. All classes of stock are exceedingly fond of it. The roots are so long and grow so deep, frost cannot heave or throw them out in winter. One sowing will stand for twenty years, and instead of impoverishing the soil, enriches it. Grows on the thinnest sandy soil and thrives in greatest drought. Sow broadcast about 25 lbs. to the acre. Per lb. 30c, 3 lbs. 80c, postpaid. By freight, per pk. \$2.60, bu. (60 lbs.) \$9.50.

WHITE DUTCH CLOVER.—Desirable in pasture mixtures. Also used largely for lawns. It is the most hardy of any variety of clover, is of a creeping habit, desirable for sowing on terraces or sloping grounds. Seed is very small and it requires only 7 lbs. to sow an acre. Price for our choice quality per lb. 40c, 3 lbs. \$1.10 postpaid; by freight, per pk. \$3.25, bu. (60 lbs.) \$12.00.

SANFOIN CLOVER, also called *Espargette Clover*.—An excellent but comparatively little known variety of special value for growing on light, dry, sandy or limestone soils. It is very deep rooted, therefore withstands droughts. It is a good fodder plant. Usually sown with oats or barley, using 30 or 40 pounds of seed to an acre. Per lb. 35c; three lbs. 90c postpaid; by freight peck \$1.40; bushel (45 pounds) \$4.75.

SWEET CLOVER (*Melilotis Alba or Bokhara*).—A tall, shrubby plant, bearing innumerable small white flowers and very valuable for bees. Both leaves and flowers have a delightful fragrance. Sow 10 lbs. per acre. Per lb. 40c, 3 lbs. \$1.10; by freight, 5 lbs. or more @ 25c.

CRIMSON CLOVER, also called *Giant Inocarnate*.—This is an annual variety. The yield in fodder is immense, and after cutting, it at once commences to grow and continues until severe freezing weather. It grows about one foot high. Makes good hay. Sow in April or May, 20 lbs. of seed per acre. The only objection to it is that it winter kills in this latitude. Per lb. 25c; 3 lbs. 65c; by freight, peck \$1.40; bushel \$4.75.



ALFALFA CLOVER.

MILLETS.

There is nothing like millet for sowing to cover up shortage in your hay crops. It can be sown up to the middle or end of July and makes a valuable catch crop. Grain bags 20 cents each extra.

JAPANESE MILLET (*Panicum crus-galli*).—A distinct new variety which has been called by one seedsman the "Billion Dollar Grass." Especially valuable for the northern states. It yields an enormous crop of forage, which is greatly relished by stock. When cured it makes an excellent hay. Sow the seed broadcast at the rate of 15 lbs. to the acre, or in drills 12 to 18 inches apart, using 10 to 12 lbs. per acre. Per lb. 30c, 3 lbs. 75c, postpaid. By freight, per bu. (50 lbs.) \$2.75.

GERMAN or GOLDEN MILLET.—Matures about two weeks later than common millet. It grows from 4 to 5 feet high, yielding an abundance of leaves; heads closely condensed; spikes very numerous; seeds round, golden yellow, in rough sheaths. Sow one bushel to the acre. Per lb. 20c, 3 lbs. 50c, postpaid. By freight, bushel (50 lbs.) \$1.00. Second grade, northern grown, not as pure or clean. Bushel 85c.

COMMON MILLET.—Best quality. Preferred by some to German. By freight, per bu. (50 lbs.) \$1.10.

HUNGARIAN.—Popular in some sections. By freight, per bu. (50 lbs.) \$1.35.

NEW SIBERIAN MILLET.—This is frequently called Red German Millet, as it greatly resembles German Millet in manner of growth and productiveness. It is much earlier however and seed is of a mixed red and yellow color. Lb. 20c, 3 lbs. 50c. By freight, bushel (50 lbs.) \$1.15.

MANITOBA MILLET.—Also called *Hog or Broomcorn Millet*. Best millet for withstanding drought. About two weeks earlier than German. Per lb. 20c, 3 lbs. 50c. By freight, bu. (50 lbs.) \$1.50.

PEARL MILLET.—Entirely different from ordinary millet; an immense fodder yielder, of tall growth, highly recommended by the U. S. Department of Agriculture for the south. Pkt. 5c, lb. 25c, 3 lbs. 70c. By freight, 10 lbs. (for one acre) \$1.25, 25 lbs. \$2.25, 100 lbs. \$7.50.

SAND VETCH or WINTER VETCH.

A comparatively new forage plant which has proved of highest value, is highly recommended by the U. S. Agricultural Department. Though it succeeds and produces good crops on poor sandy soils, it is more vigorous on good land and grows to a height of 4 to 5 feet. It is perfectly hardy throughout the United States, remaining green all winter. Every dairyman and stock-breeder in the United States should have a field of it and if you try it once you will never be a season without it. It is exceedingly nutritious, much more than clover, is eaten with relish, and may be fed with safety to all kinds of stock. It is the earliest crop for cutting, and a full crop may be taken off the land in time for planting spring crops. Sow ½ bushel per acre in spring or fall. Pkt. 5c, lb. 30c, 3 lbs. 75c. By freight, pk. \$1.50, bu. (60 lbs.) \$5.25, 2 bu. or more @ \$5.00.



SAND VETCH.

USE Nitro-Culture for Alfalfa and other clovers. See page 37

JAPAN CLOVER.—Grows freely on poor soil. Not a true clover. Per lb. 60c, 3 lbs. \$1.50, 5 lbs. or more, by freight @ 40c.

Mr. Davidson, of Ottawa county, Kansas, says that his Alfalfa Clover produced four crops of hay,—8 tons, value, \$4.00 per ton in the country, or \$32.00; also a yield of 11 bushels of seed worth \$5.00 per bushel or \$55.00, making a total of \$120.00 per acre in one season, or about 3 times the value of the land. How would that kind of a crop suit you? Better try Alfalfa this year.



MEADOW FESCUE.



SHEEP'S FESCUE.



ORCHARD GRASS.

GRASS SEEDS.

We are the largest dealers in this line in Iowa and our trade has been built up by handling only the best grades of new cleaned seeds. Grass seeds are sold on a very close margin of profit and the prices named are what we are selling the seed for at the time this catalogue goes to press and are subject to changes of market. Should you desire a quantity of anything in this line, be sure you write us for special prices, naming the amount needed. At the pound rate we prepay postage. Larger quantities by freight or express at purchaser's expense. Grain-bags 15c each.

BROMUS INERMIS.—The most valuable new grass which has been introduced into this country during the past twenty-five years, and it has everywhere, from Canada to Texas, given the best of satisfaction. It will produce a wonderful crop of hay on land which is too poor for clover or timothy, and it resists intense cold, and also the most hot, dry weather. Forms a quick and dense sod and is a permanent grass. Grows 18 to 36 inches in height and can be cut two or three times per year. Should be sown early in the spring using 20 to 25 lbs. per acre if sown alone, or if with alfalfa use 12 lbs. with 8 lbs. alfalfa. Per lb. 30c, 3 lbs. 75c, postpaid. By freight, per bu. (14 lbs.) \$2.00, 5 bu. or more @ \$1.75.

MEADOW FESCUE, or ENGLISH BLUE GRASS.—Succeeds well in almost all soils, from high, dry land to moist, standing the dry summer heat excellently. It is valuable as a pasture grass, being one of the earliest in the spring and latest in the fall. It is very nutritious. Lb. 30c, 3 lbs. 75c, postpaid. By freight bu. (14 lbs.) \$1.40; 5 bu. or more @ \$1.25.

MEADOW FOXTAIL.—A fine grass for permanent pastures. Its growth resembles timothy. Sow 14 lbs. per acre. Per lb. 45c, 3 lbs. \$1.25 postpaid. By freight, bu. (14 lbs.) \$3.25; 5 bu. or more @ \$3.00.

KENTUCKY BLUE GRASS.—Very valuable and popular as a permanent pasture grass. It is productive and unusually early in spring, furnishing delicious food for all kinds of stock. Unexcelled for lawns. Our seed is all new crop, best grade "fancy cleaned." Sow 14 lbs. per acre for pasture, or 60 to 100 lbs for lawns. Per lb. 30c, 3 lbs. 75c, postpaid. By freight, bu. (14 lbs.) \$1.60, 5 bu. or more @ \$1.50.

TALL MEADOW-OAT GRASS.—For either hay or a permanent pasture a most valuable grass, which can be successfully grown in all parts of the country. Grows tall and therefore desirable for meadow. Does not winter kill. Per lb. 35c, 3 lbs. \$1.00, postpaid. By freight, bushel (14 lbs.) \$3.00; 5 bu. or more @ \$2.75.



KY. BLUE GRASS.

SWEET VERNAL.—Valuable on account of its delicious perfume; when included in hay its aroma is imparted to other grasses, enhancing the value of the hay and making it relished by the stock. Per lb. 35c, 3 lbs. 85c. By freight, bushel (14 lbs.) \$2.00; 5 bu. or more @ \$1.75.

CREeping BENT GRASS.—Of special value for pasture and low ground. Starts early, deep rooted and a valued sort for holding sloping ground or terraces together. Sow 15 lbs. per acre. Lb. 35c, 3 lbs. \$1.00, postpaid. By freight, bu. (14 lbs.) \$2.50; 5 bu. or more @ \$2.30.

RED TOP.—A very hardy native perennial grass, succeeding best on moist land. It remains green for the greater part of the year. In the east it is one of their principal sorts, but is not so highly valued here. Fancy cleaned seed. Per lb. 30c, 3 lbs. 75c, postpaid. By freight, per bu (14 lbs.) \$1.35; 5 bu. or more @ \$1.20.

PRIME RED TOP.—(Or chaff seed.) Per bu. 75c, 5 bu. or more @ 60c.

WATER, or FLOATING MEADOW GRASS.—For wet soils and marshes and lands which occasionally overflow. Per lb. 40c, 3 lbs. \$1.10, postpaid. By freight, per bu. (14 lbs.) \$4.75; 5 bu. or more @ \$1.50.

RED FESCUE.—For meadows or pastures on dry, hard or sandy soils. It is very hardy, a true perennial, growing about 1 to 2½ feet high. Per lb. 35c, 3 lbs. \$1.00, postpaid. By freight, per bu. (14 lbs.) \$2.20; 5 bushels or more @ \$2.00.

SHEEP'S FESCUE.—Sited to light, sandy soil, and dry uplands or hillsides. It is deep rooted, and not affected by extreme drouth. Sheep are especially fond of it. Sow 14 lbs. per acre. Per lb. 35c, 3 lbs. \$1.00, postpaid. By freight, per bu. (14 lbs.) \$1.50; 5 bu. or more @ \$1.35.

ORCHARD GRASS.—A valuable grass for pasture or hay land, and on account of its earliness very valuable for permanent pastures. It furnishes the first green bite in the spring and the last in the fall, and is quick to recover from close cropping, and even thrives better the more it is cropped. It is well suited to shady places, such as orchards and groves. Sow 14 lbs. per acre. Per lb. 35c, 3 lbs. \$1.00 postpaid. By freight, per bu. (14 lbs.) \$2.25, 5 bu. or more @ \$2.10.

ITALIAN RYE GRASS.—An annual variety which will give a large crop the first year. Sow 20 lbs. per acre. Per lb. 30c, 3 lbs. 75c, postpaid. By freight, per bu. (14 lbs.) \$1.10; 5 bu. or more @ \$1.00.

TIMOTHY.—Best suited to moist, rich, strong and loamy soils, where it grows to perfection, but does not succeed well on dry sandy soil. We are located in the best section of the country for growing timothy seed, and more of it is grown in Iowa than in any part of the world. Our seed is extra nice. Sow 11 lbs. per acre. Per lb. 20c; 3 lbs. 50c, postpaid. By freight per bu. (45 lbs.) \$1.40. Bags 15c each extra. Ask for price in quantity.

WATER FESCUE.—A perennial grass with long creeping roots, which is desirable for sowing on low, wet ground, in shallow ponds, beside lakes, rivers, etc. Per lb. 40c; 3 lbs. \$1.10 postpaid. By freight per bu. (14 lbs.) \$4.50, 5 bu. or more @ \$4.25.

CRESTED DOGSTAIL.—For permanent pastures, especially on high land and hard, dry soils and hills. Is very hardy, and but little affected by extreme drouth or cold weather. Per lb. 60c; 3 lbs. \$1.35 postpaid. By freight, per bu. (14 lbs.) \$3.50; 5 bu. or more @ \$3.25.

WOOD MEADOW GRASS.—Is invaluable for wooded pasture or shaded ground, and should be included in all mixtures for permanent pastures, especially in shady places. Sow 20 pounds per acre. Per lb. 50c; 3 lbs. \$1.25, postpaid. By freight, per bushel (14 lbs.) \$4.00, 5 bushels or more @ \$3.65.

MEADOW SOFT GRASS.—Although not of high feeding value, it is very valuable for low, soft, spongy places, where other grasses don't succeed. It is very productive, a hardy perennial, 18 to 20 inches high. Per lb. 35c, 3 lbs. \$1.00, postpaid. By freight, per bu. (14 lbs.) \$2.50; 5 bu. or more @ \$2.25.

BERMUDA GRASS.—The most valuable grass for the southern states, as it withstands heat and drouth wonderfully well. Is valuable for hay and pasture and unsurpassed for lawns in the south, as it runs over the ground, forming a dense turf. Sow 8 lbs. per acre. Lb. \$1.25, 3 lbs. \$3.00 prepaid; 5 lbs. not prepaid @ 75c, per lb.

HARD FESCUE.—Is emphatically a grass for dry lands, doing well on sandy and shallow silicious soils. It is exceedingly hardy and withstands extremes of heat, cold and drouth. Per lb. 35c, 3 lbs. \$1.00, postpaid. By freight, per bu. (14 lbs.) \$1.50, 5 bu. or more @ \$1.35.

PERENNIAL RYE GRASS.—(Or English Rye Grass.)—A nutritious permanent grass for meadows and pasture, or for mixing with other grasses for lawns. It is also well adapted for permanent meadows, and yields large quantities of very nutritious hay. Sow 20 lbs. per acre. Per lb. 30c; 3 lbs. 75c, postpaid. By freight, per bu. (14 lbs.) \$1.10; 5 bu. or more @ \$1.00.



CRESTED DOGSTAIL.

Permanent Grasses

Most of our western farmers have not yet learned that a pasture or meadow of mixed grasses is far superior to clover and timothy alone. All authorities agree that for both pasture and hay, best results are obtained from the use of grass seed in mixture. The reasons are that: First—A number of species will insure a much denser growth than the same number of seeds of one or two species, and prove less exhausting to the soil, since they live to a large extent on different constituents. Second—Seasons that affect some grasses adversely are favorable to other sorts. So that with mixtures a failure is practically impossible, provided of course, the seed is good. We take great pains in selecting grass seed, in order to secure the highest germination, and our mixtures are based on a full appreciation of the requirements of the different soils for which they are intended. We have made a study of this subject, and have grass specialists in our employ and can furnish the seed of the best varieties of grasses mixed in proper proportions for any soil or climate. Please read carefully the descriptions of the various kinds of grasses, and remarks below on sowing grass seeds, and don't be content to follow the old way your father and grandfather did, but adopt new methods, sow improved varieties and double your crop.

WHEN AND HOW TO SOW GRASS SEED.

The most rapid way of obtaining a grass crop is to sow the seed early in the spring by itself, without any grain, or nurse crop, as the young grass plants are in no way protected by the grain, and when this is cut the young clover and grass is very tender. The cutting of the so-called nurse crop suddenly exposes the young grass at the hottest time of the year, and there is danger of its being burned out, while when the grass is sown by itself the young plants are hardened, and more able to withstand the hot and dry sun. However, some farmers will want to sow seed oats with the grass seed, and we wish to call their attention to our Early Champion Oats as being especially adapted for a nurse crop on account of its not stooling so heavily as other varieties. To obtain best results use only a moderate quantity of oats to sow with grass seeds.

After the ground is carefully prepared, the seed is sown broadcast, which can be nicely and evenly done and very quickly with the little hand seeders which we advertise. As seed is small it should not be covered very deep, the natural covering which may take place after a shower of rain is sometimes sufficient. However it is best and more certain to lightly harrow it in. The pressure of a common farm roller on clover and grass seed covers the same slightly, and is one of the best means to assure the quick and even germination of the seed.

PERMANENT MEADOW MIXTURES.

Will make best quality hay every year, the mixture containing such grasses as produce a heavy growth, and mature together. We send out the No. 1 mixture when not otherwise ordered, as it is adapted to medium or average soils. Sow about 20 lbs. per acre, or for a top seeding about half the amount.

NO. 1. FOR MEDIUM SOILS.—Contains Meadow Fescue, Perennial Rye Grass, Italian Rye, Orchard Grass, Tall Meadow Oat, Timothy, Red Clover and Alsike, Sweet Vernal, etc.

NO. 2. FOR HIGH, DRY LAND, LIGHT OR GRAVELLY SOILS.—Contains Sheep's Fescue, Alfalfa, Hard Fescue, Perennial Rye Grass, Meadow Fescue, Timothy, Kentucky Blue Grass, Sweet Vernal, etc.

NO. 3. FOR HIGH, DRY LAND, HEAVY OR CLAY SOILS.—Contains much the same as above with the addition of Orchard Grass, Crested Dogstail and Bromus.

NO. 4. FOR MOIST AND RICH SOIL OR LAND SUBJECT TO OVERFLOW.—Contains Water Meadow Grass, Meadow Foxtail, Perennial Rye Grass, Meadow Fescue, Red Top, Meadow Soft Grass, Alsike Clover, etc.

NO. 5. FOR TOP SEEDING SWAMPS, MARSHES, ETC.—(Sow 10 lbs. per acre.) Contains much the same as above, in different proportions.

PRICES Any of the above Permanent Meadow Mixtures, per lb. 30c. 3 lbs. 75c. by mail; by frt., 20 lbs. \$2.25, 50 lbs. \$5.00, 100 lbs. \$9.50

PERMANENT PASTURE MIXTURES.

Selected with a view to having a succession of grasses coming on constantly from earliest spring through the dry summer weather, and through the fall. It is permanent and keeps improving year after year. Sow about twenty pounds per acre, or for top seeding, half the amount.

NO. 6. FOR MEDIUM SOILS.—Contains Kentucky Blue Grass, Meadow Fescue, Perennial Rye Grass, Orchard Grass, Tall Meadow Oat Grass, Hard Fescue, Alsike Clover, White Clover, Timothy, Red Clover, etc.

NO. 7. FOR HIGH, DRY, GRAVELLY SOILS.—Contains Sheep's Fescue, Hard Fescue, Creeping Bent, Bromus Inermis, Crested Dogstail, Meadow Fescue, Timothy, Kentucky Blue Grass, White Clover, etc.

NO. 8. FOR HIGH, DRY, HEAVY OR CLAY SOILS.—Contains much the same as above, mixed in different proportions, with the addition of Alfalfa and Orchard Grass.

NO. 9. FOR MOIST AND VERY RICH SOILS.—Contains Perennial Rye Grass, Water Meadow Grass, Water Fescue, Meadow Foxtail, Orchard Grass, Meadow Soft Grass, Tall Meadow Oat Grass, Alsike, etc.

NO. 10. FOR ORCHARDS, WOOD PASTURES AND SHADY PLACES.—Contains Wood Meadow Grass, Orchard Grass, Kentucky Blue Grass, English Blue Grass, Meadow Foxtail, Sweet Vernal, Red Clover, Alsike, etc.

PRICES Any of above Permanent Pasture Mixtures, per lb. 30c. 3 lbs. 75c. by mail. By frt., 20 lbs. \$2.25, 50 lbs. \$5.00, 100 lbs. \$9.50

OUR SPECIAL GRASS MIXTURE FOR HAY AND PERMANENT PASTURES.



OUR MEADOW MIXTURE COMPARED WITH ORDINARY GRASS CROP

DAIRY FARMERS' GRASS MIXTURE.

Dairy farmers particularly desire to take a crop of hay off the meadow and have the aftergrowth for pasture, and where the natural grasses are carefully selected with this object in view, this can be successfully done. This mixture is composed of tall, quick-growing grasses for mowing, after which the dwarf-growing varieties will cover the ground and furnish grazing until late in the fall. Consists of the best varieties of clover and grass seeds, as Red Clover, Alsike, Orchard Grass, Rye Grass, Tall Meadow Oat, Meadow Foxtail, English Blue Grass, Kentucky Blue Grass, etc. It is a special mixture which will please everyone. Sow 20 lbs. per acre on ordinary soils. Per lb. 30c, 3 lbs. 75c postpaid. By freight, 20 lbs. \$2.25, 50 lbs. \$5.00, 100 lbs. \$9.50.

SHEEP PASTURE MIXTURE.

Everyone who keeps sheep should sow this mixture. It will grow well on high, dry, poor soil, and also on good ground; is drought resisting, and endures close cropping. Contains Sheep's Fescue, Hard Fescue, Red Fescue, Creeping Bent, Crested Dogstail, Bromus Inermis, Meadow Fescue, White Clover, etc. Sow 25 lbs. per acre. Per lb. 30c, 3 lbs. 75c, postpaid. By freight, 25 lbs. \$3.00, 50 lbs. \$5.25, 100 lbs. \$10.25.

QUICK RESULT PASTURE.

Not permanent, but when sown early will give a full crop of hay, and good pasture until late in the fall. Desirable for both cattle and hogs. Contains Italian Rye Grass, English Rye Grass, Meadow Fescue, Timothy, Crimson Clover, Mammoth Red Clover, Tall Meadow Oat Grass, etc. Sow 15 lbs. per acre. Per lb. 30c, 3 lbs. 75c, postpaid. By freight 15 lbs. \$1.75, 50 lbs. \$5.00, 100 lbs. \$9.50.

PERMANENT HOG PASTURE.

Ready to use the first year and many years thereafter. Will fatten the hogs quickly and keep them in good health. Much superior to a corn diet for them and helps to keep hog cholera and similar diseases away. Contains Perennial Rye Grass, Orchard Grass, Italian Rye Grass, Clover, Timothy, Red Top, etc. On any ordinary soil sow 15 lbs. per acre. Per lb. 30c, 3 lbs. 75c, postpaid. By freight, 15 lbs. \$1.85, 50 lbs. \$5.50, 100 lbs. \$10.50.

LARGE ORDERS If you desire to purchase a large lot of seed of any kind, be sure to send list and let us quote special prices. Our orders range from 5 cents upwards, but we are not afraid of big orders. Our largest retail order was for \$1,370.00 worth of seeds. Another customer's purchases amounted to \$1,487.38 during the season, but it was divided up into several orders. Both were perfectly satisfied. W. P. Turner, of Pennsylvania, who bought seeds of us to the amount of \$1,397.54, wrote us in the fall: *All the seed has given perfect satisfaction.*

We are prepared to select and make up special mixtures of Grasses for all particular purposes, adapted to all soils and climates. When in need, please write us, describing peculiarities of ground.

THE BEST, not only in Iowa, but everywhere. W. B. Robinett, of Lockwood, Kentucky, says: "The grass seed received from you is the finest I ever saw. I like it much better than any I ever bought before, and am well pleased in every respect."

Your Hog Pasture Mixture made a good stand and I was satisfied with the results.—Geo. Wendel.

The clover and grass seed purchased from you grew splendidly and yielded well.—Fred Winter, Hubbard, Iowa.

The seeds you sent us are indeed more than you claim for them. The timothy is fresh and clean; clover seed the cleanest I ever saw tested under a microscope. Please accept my thanks for honorable treatment.

John Mitman, Dodge county, Neb.

All the seeds purchased of you have given good satisfaction. In particular your clover grass mixture No. 10 has given good results. I shall send down more ground with this mixture next spring.—John U. Hunziker, H—, Neb.

AN EXPERIENCED AGROSTOLOGIST WILL PREPARE SPECIAL MIXTURE FOR SPECIAL SOILS AND PURPOSES

SEED POTATOES.

"The Proof of the Potato is in the Eating."

With no other seed is the importance of change more essential than with potatoes and by using our northern grown seed you are assured of **early maturity, increased yield and vigorous growth.** The following varieties are, we think, the best and most satisfactory sorts for growing in Iowa and other states of the same latitude. Most of our seed potatoes are grown in Minnesota or the Dakotas and are of superior quality. Order as early as possible and we will ship as soon as weather permits. Prices are subject to important market changes. Ask for quotations on large lots.

POUND PRICES.—All varieties 25c per pound, 3 pounds 60c, postpaid, except where noted.

Read T. B. Terry's new book "A B C of Potato Culture." Price 40c, postpaid.

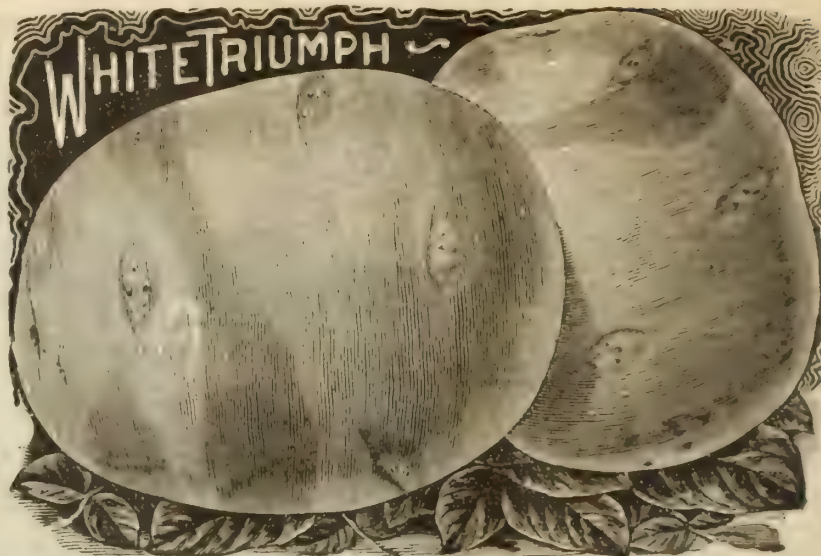
EARLY WHITE TRIUMPH.—Novelty 1904.—The earliest and best variety of all. In shape it resembles the Bliss Triumph but is of better color. Has proven earlier than Early Ohio and still exceptionally productive yielding a large crop of good sized perfect shaped tubers. Looks a little like the Peach-blow in shape and has the same fine grain, mealiness and excellent flavor which was characteristic of that old variety. It has won prizes at the Iowa State Fair and wherever exhibited. We introduced this new variety last spring and the demand was so great that we were obliged to return money to fully four-fifths of the customers owing to stock being exhausted. Don't fail to order early as the supply is limited. Per lb. 35c, 3 lbs. \$1.00 postpaid. By freight, $\frac{1}{2}$ peck 50c; peck 85c; bu. \$2.50.

BLISS TRIUMPH.—The earliest potato in existence, equaled only by our new Early White Triumph. A handsome round variety which matures before the Extra Early Ohio, and is wonderfully productive. The tubers are not large, but are of a nice medium size for early use, round as a ball, and a beautiful red color. For several years it has been the most popular variety in the southern states, and hundreds of carloads are shipped to the northern markets and bring fancy prices. Not so desirable for main crop. Per pk. 50c, bushel \$1.50, barrel \$4.00.

RURAL NEW YORKER NO. 2.—One of the largest yielding varieties in existence. Large and unusually smooth, with few and shallow eyes, skin white as is also the flesh, which is of superior quality. Medium late and the best drouth resister. There is no other potato of more handsome appearance than the Rural New Yorker. Although it is a large yielder, it grows but few and small vines. It is very hardy and will stand the heaviest manuring without getting scabby or spotted. For this reason it is one of the most desirable varieties for farmers and potato growers near large cities to grow for main crop for market. Under ordinary circumstances they will yield from three hundred to four hundred bushels per acre, and by heavy manuring this yield can almost be doubled. Peck 50c, bushel \$1.25, barrel \$3.25.

JARMAN NO. 3.—This handsome main crop potato is of large size, yielding immense crops of uniform size and shape. It is of perfect form, almost every potato being of same size and shape, and averaging nearly one pound each in weight, in good seasons. It has but few eyes and they are shallow, the skin and flesh are extremely white and its cooking qualities are very fine. It is a remarkably handsome potato, enormously prolific, and will please all potato growers. Keeps well. Peck 50c, bushel \$1.25, barrel \$3.25.

Ask for
Prices in
Quantity.



ROSE OF THE NORTH.—An improvement on the old Early Rose which has been grown on the virgin soil of the far north. It is very early being only a trifle later than Early Ohio and much larger. Is smooth and of handsome rose color. Quality superb, either baked or boiled and yields immensely. Keeps sound and fresh well into the spring. Peck 50c, bu. \$1.50; barrel \$4.00.

Your seeds always give good results. The seed potatoes last year exceeded all expectations and gave an enormous yield of fine, large sized potatoes, some weighing 22 ounces each.—J. J. Lemon, Tacoma, Wash.

EARLY OHIO.—Grown in Iowa. Our stock is as nice as any which can be obtained, we think, and is desirable both for early and main crop. Peck 50c, bushel \$1.25, barrel \$3.25.

The barrel of seed potatoes received from you were fine in every shape, form and fashion. Grand they were. I will remember you, gentlemen, or more farm seeds the coming year.—S. A. Kester, Bagley, Iowa.

EARLY WHITE OHIO.—There is a great demand now in many markets for a white potato, and even the good old standard Early Ohio has to suffer because of the color of its skin. Here we have, however, a genuine Early Ohio identical with the old variety in every way except in the improved color. It is of quick, vigorous growth, making many tubers which are compact in the hill, and has produced a crop of **2,500 bushels on five acres** in this state. Per peck 60c, bushel \$1.75; barrel, \$4.25.

Lee Hudler, the well known gardener of Audubon Co., Iowa, says: "I consider the Early White Ohio the finest early potato I have ever grown."

The potatoes received from you are the finest I ever had.—A. A. Perry, Meckling, South Dakota.

The potatoes you shipped me are the nicest I have ever seen in size, smoothness and purity.—Geo. M. Graff, Orleans, Illinois.

Potatoes received O. K. and they are very nice.—L. Woodman, Blokesburg, California.

EXTRA EARLY OHIO.—Fancy Northern Grown Stock. — For several years past we have been having these grown in the noted Red River valley, about 400 miles north of Des Moines, and careful tests have proved them to be fully ten days earlier than the Iowa grown stock. This is a great advantage to the gardener, and puts this variety at the head—the most popular of all. They are all of good average size, strictly pure, smooth and free from scab or rot, and outyield other early sorts. It is an especial favorite with marketmen, and the most profitable potato they can grow. The sprout is very strong and the vines grow erect, making it easy to cultivate, and on account of its early maturity you can get the highest market prices. They keep firm till late in the spring. This variety is frequently sold under name, Extra Early Six Weeks. This is our specialty in standard varieties. Also desirable for late planting as they keep well for winter and spring use. Peck 50c, bushel \$1.50, barrel \$3.25.

The barrel of Extra Early Ohio Potatoes received from you were all right in every respect.—D. E. Hoffman, Arcanum, Ohio.

HYBRIDIZED POTATO SEED.—Potato seed from the flower boll (the true seed). It is from such seed that the choice new varieties of potato seed are originated. The result is interesting, and often very profitable, as you are just as apt to obtain a choice new variety as an experienced potato specialist. Packet 10c, 3 for 25c.



EXTRA EARLY OHIO. (Grown in Red River Valley.)

SLUG SHOT WILL KILL THE BUGS. BETTER ORDER SOME WITH YOUR POTATOES AND BE PREPARED. SEE PAGE 97.

Novelties and Specialties

❖ ❖ FOR 1905 ❖ ❖

"What have you that is especially new and desirable this year?" is the first question asked us by many of our patrons, and the following pages on colored paper contain much which is of great value. Some of them are novelties and others are sorts of rather recent introduction, but of such superior qualities that we call special attention to them by giving them a place here. Each is faithfully described from careful observation. All are worthy and recommended by us. Aside from these, many desirable novelties will be found listed in various parts of the catalogue, as well as the standard sorts everyone wants for stand-bys. Notice the collection of novelties offered on cover and on the colored plates.

Pharaoh's Dream Sweet Corn.

"And Pharaoh slept and dreamed * * and behold seven ears of corn came up, upon one stalk, rank and good."—Genesis 41:5.

The most productive and one of the finest varieties of sweet corn ever sent out. This new variety was bred by one of the best seed corn specialists in the country and does not come from an accidental sport, but was gradually worked up from a cross made of two well known varieties and selected for a number of years, until it has attained its high value. Its peculiar manner of growth and earing are well shown by the accompanying illustration, and owing to the fact that it so frequently produces seven ears to the stalk it has been aptly named "Pharaoh's Dream." Stalks which we have on exhibition in our store have attracted a great deal of attention and favorable comment. The corn begins earing almost from the bottom and produces quite long ear stalks from each leaf joint. Ears are of large size, but still not overgrown, just right for table use and would be taken for Stowell's Evergreen in almost any market. It is of superior quality, well bred and will please the most particular. Corn is pure white, tender and of rich delicate flavor, remaining a long time in an edible condition. Instead of ears maturing all at once, they form in succession and therefore make a constant supply throughout the season. Ear stalks are so long that it might well be called a branching variety, and it looks tree-like when growing. It is the greatest novelty in sweet corn, that has ever been sent out. You should not fail to plant it this year. Produces better when only one or two grains are planted in a hill. Pkt. 10c, ½ pt. 20c, qt. 60c, postpaid. By freight ½ pk. 85c, pk. \$1.50.



Continuity Lettuce.

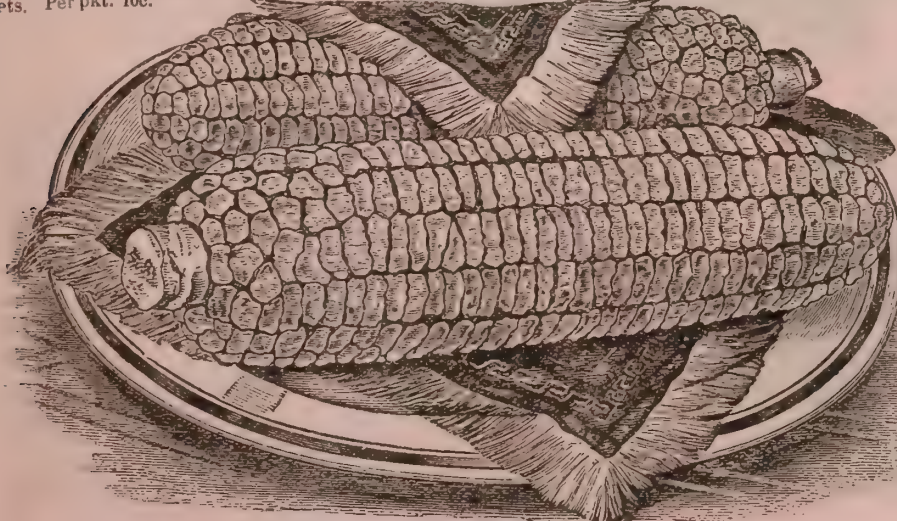
In this grand new variety we have one of the most distinct and desirable sorts now on the market. The outside leaves are of a very dark brown color tinged with purple, while the inside of the head is fine creamy white, tender, crisp and well flavored, making it in all respects a very desirable sort. It is especially recommended for holding on through hot dry weather, such as we had in 1901, and remaining crisp and brittle at all times. We most highly recommend it and firmly believe that it will please one and all who give it a trial. Per pkt. 10c, ounce 25c, ¼ lb. 75c.



NEW CONTINUITY LETTUCE

Early Express Cucumber.

We are pleased to introduce this most remarkable and valuable new variety, which originated with Mr. C. P. Coy, the well known seed grower, and may be called the best novelty in this line which has been brought out for many years, especially for the private garden. It is by all odds the earliest variety in existence, producing fruit several days ahead of Early Siberian, Extra Early Russian and other early sorts, and nearly double them in size. Quality is the very best, being free from any rank, strong flavor, and it is as fine a variety for slicing as any later sort. The plant is very productive, bearing fruit which is quite uniform in size and shape. Color is a lively green, shading to nearly white at the blossom end as they grow older. Our cut shows compact growth of vine. Crop short so that we can only offer it in packets. Per pkt. 10c.



EARLY SUNRISE SWEET CORN

Crimson Giant Forcing Radish.

This may well be considered the most valuable new variety which has been sent out for many years past. It is a German variety introduced in Europe last year, in packets only, at a very high price. It is a rapid growing sort, developing roots of beautiful deep crimson color, perfect shape and more than double the size of any other forcing variety. The old standard sorts, such as Non Plus Ultra and Scarlet Globe usually measure from two to three inches in circumference at time of marketing, while the Crimson Giant forms roots six to seven inches in circumference without getting pithy or hollow, and they retain their firmness and tenderness of flesh. Has received most flattering testimonials from all parts of Europe and wherever tried in this country. Per pkt. 5c, oz. 15c, ¼ lb. 50c.

I was much pleased with both the flower seeds and plants received from you.—Mrs. S. R. Curry, Duncan, Mo.

Giant Fringed Winter Endive.

Endive is one of our best and most wholesome salads for fall and winter use and some people call it winter lettuce. This fine new variety is the best of all. It is a strong, vigorous grower, making a large, white heart, and the leaves are beautifully curled and of the best quality, very crisp and refreshing. Per pkt. 10c, oz. 30c, ¼ lb. \$1.00.

Early Sunrise Sweet Corn.

This splendid new variety which we introduced originated with a market gardener in the western part of this state, and for eight years he had been selecting it to an ideal size and the earliest maturing. In this way he finally obtained this variety, which is distinct from all others. Ears about 6 inches long, well filled out at end, and husk covering so completely and being so tight as to prevent working of worms which are so bad in Cory. Grains fairly deep and set in straight rows on small white cob; very uniform and handsome. Quite productive and of as good flavor as any corn we ever tasted. Don't fail to try it. Market gardeners will find Early Sunrise a most profitable and satisfactory variety. Pkt. 5c, ½ pint. 15c, qt. 50c, postpaid. By freight, ½ pk. 75c, pk. \$1.25.

The Maine State Bulletin, No. 27, states that the Early Sunrise was as early as any variety in their long list and much larger and better than Cory; in quality equal to most of the later varieties and the most prolific of all. They say it is worthy of special mention. Try it this year.

Triumph Radish.

A beautiful and valuable new variety of radish which is a decided novelty, being both unique and valuable. It is of the shape shown in our illustration, round, with white skin striped bright scarlet, being decidedly ornamental when placed on the table. It is very early, maturing in three weeks; has very small top, thus adapting it to cultivation in hotbeds. The flesh is white, crisp, tender and as good flavor as any radish grown. It being a sport, some of the roots are always of solid color, not variegated. It will please everyone for family use. Per packet 5c, oz. 15c, $\frac{1}{4}$ lb. 40c, pound \$1.25.

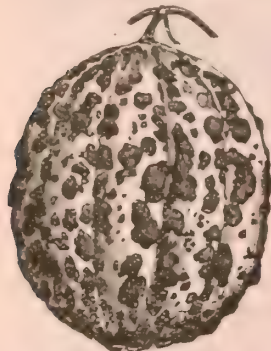
European-African Musk Melons.

Many Varieties Mixed.

We grow large quantities of melon seed, and when in Europe recently we tried to make arrangements to supply the dealers there, but they would not purchase as they liked their native varieties better. Personally we do not think that they equal the American sorts, but some of our customers may think differently, and we would like to have you compare them. We secured seed from various parts of Europe and Africa and offer them in one grand mixture, which includes many curious sorts, one of which is shown. Per pkt. 10 cts.

Osage Gem Musk Melon.

Outside like netted Gem, inside like Osage, it pleases the eye on sight and confirms that impression by its color and exquisite flavor when cut. This new hybrid of Osage and Netted Gem much resembles Paul Rose in size and inside salmon flesh, but in outside skin and netting it is exactly like the Oval Netted Gem with the best style of netting. It has two advantages for the gardener. First, it will sell for highest prices in any market where "Gems" are popular, on the appearance as a first-class type of that variety. Second, it will please all customers who prefer salmon flesh. Pkt 10c, oz. 25c.



AFRICAN MELON.

Sibley Squash.

When the main part of this catalogue was printed we did not expect to be able to furnish this variety so it was omitted. We now find that one of our crops gave a fair yield and we therefore offer it here so as to not disappoint customers with whom it is a favorite. It has the reputation of being the only variety surpassing the Hubbard in quality. Per pkt. 5c, oz. 10c, $\frac{1}{4}$ lb. 30c, lb. \$1.00

Winter Pine - Apple or Santa Claus Musk Melon.

This is distinct from any other variety. The skin, instead of being netted, is deeply corrugated, and when ripe, of a rich yellow, intermingled with green. It is almost solid flesh. The flesh is light green, unusually spicy, and delicious, having a rich aromatic pineapple flavor. As it does not ripen on the vines, it should be picked before hard frost and kept in a cool dry cellar, where it will keep for months; a few days before wanted for use it should be placed in a warm room to ripen. Pkt. 10c, oz. 25c.



APPLE-PIE MELON



NEW TRIUMPH RADISH.

IT DON'T MATTER Where you Live
—In Maine or
California; in Manitoba or Florida—
you will find our **Choice Iowa**
Seeds unexcelled. They are the
best for all climates. —||—||—||—

New Hester Squash.

This extra choice new variety which we introduced, may be called a yellow Sibley squash, as it is a strain of that well known variety which was selected and improved by Mr. Wm. Hester for many years. The old Sibley or Pike's Peak has for many years past been considered the only variety which surpassed the Hubbard in quality every year. Mr. Hester secured a few seeds of the Sibley direct from the originator about 13 years ago, prior to its introduction. One of these produced a vine which bore fruit different from the type and color and also much earlier. It is of the same shape as the parent variety, but the color is of a pinkish yellow, slightly striped at the point with light green. They are early and quality is excellent even when fruit is quite small so that they can be used as an early summer squash. From then until mid-winter they are the best of all squashes, and under proper conditions will hold their own until spring. One lady said after testing their delicate flavor: "They are good enough for fairies," and this suggested our illustration which represents the pet of our family—Lily Page—tasting the baked squash. When stewed or steamed, they are drier than when baked and they make the most delicious pies. Per pkt. 10c, oz. 25c, $\frac{1}{4}$ lb. 75c.



HESTER SQUASH.—"GOOD ENOUGH FOR FAIRIES."

Apple Pie Melon.

This is a novelty which will be appreciated in many sections of the country and especially so during seasons when apples are scarce or high in price. The vine and fruit are quite similar to a water melon and they are easily grown on any good soil. Each vine produces from five to fifteen fruits, and one of the large size melons will make as many pies as half a bushel of apples. We have estimated carefully in our field that one vine would produce an average of about 300 pounds. The flesh is white, solid throughout and of excellent quality for making pies, sauce, preserves, etc., and it resembles apples in flavor. They keep nice and fresh all winter, so that they can be used at any time and any surplus you may have can be fed to the live stock. In fact it would pay to grow them for this purpose alone as they can be kept and fed fresh all winter. Sold this year in packets only. Pkt. 10c, 3 pkts for 25c.

WHAT THE OHIO FARMER SAYS.

The Ohio Farmer, published at Cleveland, O., which we believe has the largest paid circulation of any agricultural weekly in America, and who also publish the Michigan Farmer, of Detroit, writes us as follows:—"It is with sincere pleasure that we are able to report that in the fifteen years that you have been advertising in our publications, we have not received a single complaint from any one of the many thousands of our readers with whom you have done business. When you consider the great number of chances that there are for slight errors, misunderstanding and that sort of thing in the seed business, it is certainly a phenomenal record and one of the exceptions in this line of business, as our records show there has not been even a single complaint received by us."

WE ARE ALWAYS PLEASED TO RECEIVE NEW OR RARE VARIETIES OF SEEDS FOR TRIAL.



Erfurt Early Prolific Broad Beans.

For many years past we have had inquiries from our customers who formerly lived in England, for the English Broad Beans, but we did not

handle them, as the leading variety, Broad Windsor, does not succeed well in this country, owing to its lateness and liability to be affected by unfavorable weather. When traveling through England we found that they had a greatly improved variety which was very much earlier, more prolific and resisted drouth and rust better than any other kind and we therefore secured a supply of them. The Broad Windsor usually has three or four beans in each pod, while this new variety has from five to nine beans of extra large size and of most delicate flavor. The plant is of robust, upright growth, entirely different from any of the ordinary varieties of beans. Pods measuring 10 to 12 inches in length are not uncommon and they are so broad and handsome in appearance that they prove very attractive on the market. They are more hardy than most varieties of beans and may be planted earlier in the season. Plant in rows about two feet apart, and six inches apart in the row, covering $1\frac{1}{2}$ to 2 inches deep. The top of the stalk should be clipped off as soon as the plants begin to flower, as this induces earliness. Pkt. 10c; $\frac{1}{4}$ pt. 20c; qt. 65c, postpaid. By freight, $\frac{1}{4}$ pk. 85c; pk. \$1.50.



Chinese Sago Beans.

When traveling in California we spent considerable time on a 600-acre farm which was devoted to growing standard vegetable and flower seeds and novelties from all parts of the world. We noticed here that the kind of food called *Louk-daw*, which seemed to be the most relished by the farm workmen, was a small, round, green bean, smaller than a kernel of popcorn or about the size of sago. To prepare it for the table it was soaked in water for several days, changing water frequently until it began growing and the sprout was about half an inch long. When boiled they then make a nice, fresh dish for the table. In this way fresh vegetables can be had in the winter. We tried growing them on our place last summer and they yielded wonderfully well, so we take pleasure in offering them to our customers. It will make a new dish for your table and a fresh vegetable ready at any time of the year. Pkt. 10c; oz. 20c; $\frac{1}{4}$ lb. 50c.

New Ideal Mammoth Rhubarb.

The Rhubarb (or pie plant) is a vegetable which it is difficult to improve and it takes many years to fully establish a new variety. About 25 years ago Dr. Kennicott, of Illinois, in growing roots for seed, found one which was so far superior to, and different from all others, that he saved it carefully, and the root has been divided and propagated from year to year until finally we purchased the stock. Like all other highly improved sorts it seeds sparingly and comes more nearly true to name when grown from seed than most other sorts. The stalks are as large, if not larger, than the Victoria and are produced in much greater abundance. Pkt. 10c; oz. 25c. Strong roots 30c each; doz. \$2.50.

H. A. Terry, of Crescent, Iowa, writes us "I pulled six stalks from one plant of the Ideal Rhubarb which weighed with the leaves cut off, 21 pounds."

Yard Long Beans.

A great curiosity, and withal a bean of excellent quality. It is a climbing variety of strong, vigorous growth and belongs to the Dolichos family. Pods usually being 15 to 24 inches, but frequently 80 inches and sometimes 96 inches in length. An excellent table vegetable, the pods being tender and of a rich asparagus flavor. Seed quite scarce this year. Per pkt. 10c.

Washington Wakefield Cabbage.

For many years the Jersey Wakefield Cabbage has been the most prominent early sort with market gardeners and many attempts have been made to improve upon it, with heretofore but limited success. In this grand variety which is well shown by our illustration, we have a most superior strain, well worthy the name it bears. It is a leader, and first in head! first in market! and first in the hearts of the gardeners! It is very early, the heads pyramidal in shape, larger than the Jersey Wakefield, very solid, with few outside leaves. Grows remarkably uniform, heads of even size and shape. Unequaled for market or family garden. Try it this season. Pkt. 6c, oz. 25c; $\frac{1}{4}$ lb. 85c, lb. \$2.75.

New Striped Evergreen Sweet Corn.

A novelty of 1904: This fine variety originated five years ago with one of the market gardeners near this city. Ears are of large size, grains are deep, resembling Stowell's Evergreen, and it is unusually sweet, thus making it popular with everyone who tests it. It produces such a large crop that it is a profitable variety for the market gardener as well as the private grower. Corn is of pure pearly whiteness, but almost every grain is striped with bright crimson, thus making it one of the most showy and attractive sorts in existence. We recommend it most highly, feeling assured that every customer will be greatly pleased with it. It is a sterling novelty introduced exclusively by us. Don't fail to give it a trial if you want a corn of superior quality. Per pkt. 5c; $\frac{1}{4}$ pt. 15c; qt. 50c.

Golden Carmine Pole Beans.

This new strain of Horticultural Pole we consider one of the best novelties of the season. It is a week to ten days earlier than the Horticultural, a wonderfully robust grower, producing an immense crop of the large stringless pods, which are of a bright golden yellow color when very young. As the pods approach full size, they are mottled and streaked with an unusually bright crimson or carmine color on the golden yellow, which gives them a strikingly beautiful and attractive appearance. The pods hang in great clusters so that they can literally be gathered in handfuls. They are stringless and of the very best quality either as a snap bean or shelled. Everywhere that they have been tested they have proven free from rust. Don't fail to give them a trial if you want something of superior merit. Pkt. 10c; $\frac{1}{4}$ pt. 20c; qt. 65c, postpaid.

Crimson Tankard Mangel.

A fine new sort from England. For years past the Golden Tankard has been a great favorite among dairymen and we are sure this variety will supersede it in some sections at least. It has the size and shape and high quality of the Golden Tankard, but is of a handsome crimson color. Per pkt. 5c; oz. 10c; $\frac{1}{4}$ lb. 25c; lb. 75c., postpaid. By express or freight 5 lbs. or more @ 50c. per lb.

Ostrich Plume Mustard.

Ornamental as well as useful. The leaves are long, ruffled and frilled, and curved as gracefully as an ostrich plume. The edges are curled and lacinated like double curled parsley, making the leaves equally as desirable for garnishing. It stands well even during the hot summer months, while the leaves can be cut quite as early as those of other sorts and are unsurpassed for "greens," being available before any other vegetable. Pkt. 5c, oz. 15c, $\frac{1}{4}$ lb. 50c.



CHINESE SAGO BEAN.



NEW IDEAL MAMMOTH RHUBARB.

CJR VEGETABLE NOVELTIES INCLUDE ONLY THE NEW THINGS WHICH HAVE PROVEN DESIRABLE.



NEW ATLAS PUMPKIN

Sparks' Earliana Tomato.

The Earliest Large Tomato in the World.

Probably no early tomato introduced in many years has attracted so much attention and has so large a sale as Sparks' Earliana. Early tomatoes are usually very small in size. This valuable new variety originated with George C. Sparks of New Jersey, is not only extremely early, but is remarkable for its large size, handsome shape, and beautiful bright red color. Its solidity and fine qualities are fully equal to many of the best late sorts. Extra early tomatoes are one of the most profitable crops for the market gardener. You will make no mistake in planting Sparks' Earliana. Pkt. 10c, oz. 30c.



the most profitable beet for the market
Pkt. 5c; oz. 10c; ¼ lb. 25c; lb. 75c.

"Big Tom" Pumpkin.

A greatly improved strain of the common Yankee or Connecticut Field Pumpkin which has been selected up for many years to secure the most uniform type. The vines are strong, vigorous and wonderfully prolific. Fruits average about double the size of the old variety; they are smooth and hard, with reddish orange skin and rich, orange yellow flesh. It is a hardy productive variety which makes excellent pies but is of special value to farmers for feeding cattle and hogs. Makes a profitable crop when grown alone or can be grown among corn with practically no extra expense. Per oz. 10c; ¼ lb. 20c; lb. 60c postpaid. By express or freight, per lb. 40c; 10 lbs. or more @ 35c.

New Atlas Pumpkin.

What do you think of a pumpkin weighing 300 pounds? It is not an impossibility, as that weight has been exceeded in this variety, which is an improvement on the Mammoth Chili. One specimen shown at the World's Fair is said to have weighed 481 pounds, but such a weight is extraordinary. Our seed is the result of years of selection, and was saved only from the largest sized, perfect shaped specimens, which will be sure to produce enormous fruits if properly grown. It is just the thing for exhibition at fairs, etc., and just think of the enormous weight that can be grown from one seed. Flesh is a rich yellow, very thick, and excellent quality, nutritious and profitable to grow for stock feeding. Keeps well. We have only a small supply of seed this year and can only offer it in packets of ten seeds for ten cents.

A PRIZE OF \$10.00

FROM ONE SEED OF THE ATLAS PUMPKIN received from you I grew one vine which produced four pumpkins. The largest weighed 175 lbs., second 165 lbs., third 138 lbs., fourth 96 lbs., or 577 lbs. in all. Hardy Hughes, Myrtle Creek, Oregon.

Prize last year was won by Peter Oachs, Mapleton, Minn., on a pumpkin weighing 212 lbs.



SPARKS' EARLIANA TOMATO

Golden Globe Onion.

An improvement on the Yellow Globe and it is the handsomest and best keeping sort that we know of. The bulbs are of uniform size and perfect shape. We consider it the handsomest, most prolific, best keeping and easiest selling, making them the most desirable variety we know of. Pkt. 10c, oz. 20c, ¼ lb 65c, lb. \$1.75.

African Horned Cucumber.

A remarkably curious novelty which is not only an excellent fruit for table use or pickling but is a highly ornamental climbing vine of most luxuriant growth and fine for trellis or screen. It is the fruit, however which is its most curious and distinct feature. It averages when mature about four inches long by 2½ in diameter, and is covered with strong, protruding points or horns. The skin is perfectly smooth and of a very deep dark green. When the fruits ripen they turn a brilliant orange and yellow in speckled and clouded effects, and are then highly ornamental. Pkt 10c.

Naples Giant Squash.

A novelty from Naples, Italy which is very productive and of immense size. Our cut well illustrates their form. Color dark green outside with very thick orange colored flesh of delicious flavor. They grow to a length of 4 to 6 feet and some specimens weigh over 100 lbs. Seed cavity at one end. It is fine grained, sweet and a good keeper. Sold this year in packets only. Each 10c, 8 pkts. for 25c.

Market Gardeners' Beet.

This is undoubtedly one of the best varieties ever introduced, and it receives much praise from our customers each year. As will be noticed by engraving, it is very symmetrical, with small tap root and but few fibrous roots. Unusually small tops. Although on some soils the Egyptian can be marketed a few days before the Market Gardeners, still within a week it will be found larger than the Egyptian, while it continues to grow until late in the fall, attaining a large size, and making a good eating and selling beet for the winter. One sowing only is necessary to produce early beets for market and main crop for winter use, which is not the case with any other variety. Color, deep blood red; fine grained and unsurpassed in quality. Summing it all up, we find in it the best beet for Early Market, the best beet for winter use. Owing to the small tops permitting them to be grown close together, the peculiar shape of the bulb, it is

gardeners and for family gardens.



NAPLES GIANT SQUASH.

GET YOUR NEIGHBORS TO ORDER WITH YOU AND SECURE SPECIAL PRICES ON THE ORDER.



Cluster of 12 Majestic Tomatoes grown on one stem by A. F. Horner, Topeka, Kansas.

Try the New—Majestic Tomato.

The greatest vegetable novelty of the season and by all odds the largest, finest flavored and most productive variety of tomato in existence. Thousands of letters received from our customers last fall speak of it in terms of the highest praise and hundreds of them sent photographs of the plants or fruit. We knew before that it was a grand good variety but the reports far surpassed our anticipations. Prizes were awarded as follows:

LARGEST TOMATO.—1st Prize, weight 5½ lbs., to J. R. Lawrence, N. Middleboro, Mass. 2d Prize, weight 5½ lbs., to Miss Ollie Molle, Blencoe, Ia. 3d Prize, weight 5 lbs., to Wm. J. Taylor, Ava, Mo.

(Many reported fruit weighing 3 to 5 lbs.)

LARGEST YIELD FROM ONE PLANT.—1st Prize, 147 lbs., A. B. Simpson, Redonda Beach, Cal. 2d Prize, 146 ¾ lbs., Geo. W. Lee, Forsyth, Mo. 3d Prize, 137½ lbs., Arthur Nelson, Argyle, N. Y.

Just think what a profit there would be on an acre of such tomatoes. It is of fine shape, beautiful color and unsurpassed in quality. See more full description of this grand sort on page 101 of this catalogue and don't fail to plant it this year. Last year it sold at 40 cts. per packet of 100 seeds. This year seed is quite scarce but still we have reduced the price to 15 cts. per pkt. of 100 seeds. Ten packets for \$1.00.

🌿 \$100.00 IN CASH PRIZES 🌿

are offered this year for the largest tomatoes grown, divided as follows: First prize, \$40.00; second, \$30.00; third, \$15.00; fourth, \$10.00; fifth, \$5.00. You must buy the seed from us in 1905 in order to compete for the prize and the empty packets should be returned to us with your report. Weigh your largest tomato carefully and exactly and send in report by October 20th signed by two witnesses.

Your Majestic Tomato produced immensely. Fruits are solid, of beautiful color and luscious flavor and keep in perfect condition 3 weeks after plucking. —J. R. Wichersham, Urbana, Ohio.

The Majestic is certainly a most wonderful tomato for immense size, solidity smoothness and wonderful productiveness. —F. F. Mitchell, Queens, New York.

My Majestic Tomatoes were immense; three of the fruit weighed 3¼ lbs., 2¾ lbs. and 2¼ lbs. respectively. They were smooth, solid, almost seedless, of rich color and fine flavor. Had ripe tomatoes 11 weeks from time of sowing seed. —A. R. Paul, Farmingham, Mass.

Farm Seed Novelties.

Most of the Novelties in Farm Seeds which we offer will be found listed in the Farm Seed Department, and we offer here only a few items.

WONDERFUL RYE-BUCKWHEAT.

A great novelty from Russia which we introduced last spring and it has greatly pleased our customers, yielding immense crops. It is a curious variety of buckwheat and is exactly like the ordinary varieties in foliage, blossom, shape of plant and habit of growth, except that it produces grains free from hulls and greatly resembling rye in shape, as shown in our illustration. On our farm it yielded a much heavier crop than either rye or buckwheat, and proved a great success. Seed may be sown at any time from April 1st to August 1st. We have received letters from several of the agricultural colleges in various states speaking very highly of it. Pkt. 10c, lb. 40c, 3 pounds \$1.00 postpaid. By freight, ¼ pk. 85c, pk. \$1.50, bu. \$1.50.

From the teaspoonful of rye buckwheat received from you two years ago I grew twenty pounds. I planted the twenty pounds last spring and it produced twenty-four bushels of the grain in spite of unfavorable conditions. Was much pleased with it. —S. Livingston, Barry County, Michigan.

THOUSAND HEADED KALE.

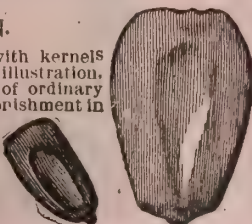
About eleven years ago we introduced Dwarf Essex Rape to our customers and it has proved to be the most popular forage plant ever brought to America. The seed is grown in England and when the writer was there two years ago the growers called his attention to the Thousand Headed Kale which is now supplanting rape in that country. They state that there is fully three or four times as much of this new kale grown for forage purposes as there is of the rape. We have tested the kale here and also had it in the hands of several other persons and it has given excellent results. The seed is much higher in price than rape but it takes less. The seed can be sown early in April or any time thereafter till mid-summer. It grows to a height of three to four feet, and is so covered with small whorls of leaves that the name of Thousand Headed Kale has been given it. Branches out from the bottom, grows very rapidly and is greatly relished by hogs, cattle and sheep. It grows with increased rapidity after being fed off and flourishes on all kinds of soil. In England we find that they are sowing this seed broadcast on their pastures with grass seeds, using about one pound of seed per acre, though if sown alone it should have about three pounds per acre. It is better, however, to sow seed in rows 18 inches apart, using one pound per acre. Per pkt. 5c, ¼ lb. 15c, lb. 50c, postpaid; 5 lbs. or more, by express @ 25c.

NEW ERA COW PEAS.

The earliest variety of Cow Peas in existence and therefore most decidedly the best for growing in the northern states. Throughout the south, cow peas are considered one of their most profitable crops, as they yield immensely and are largely used as a green summer feed and also for planting in corn and other crops and plowing under as a fertilizer. The New Eras mature in 60 days and have done well as far north as Minnesota. Pkt. 5c, lb. 30c, 3 lbs. 80c, postpaid. By freight, pk. \$1.25; bush. \$3.75.

GIANT CUZCO CORN.

A strange and curious corn from Peru, with kernels of truly mammoth size, as shown in our illustration, each one being as large as 4 to 10 kernels of ordinary field corn. It will cause wonder and astonishment in everyone who sees it. It is quite late in maturing and therefore should be started early in pots in the house. In transplanting be careful not to disturb the roots. Our cut shows an ordinary kernel of corn beside the Cuzco. Is a great novelty and attracted much attention at the Corn Shows. Sold only in packets of 10 seeds for 10 cents.



GIANT CUZCO CORN.



RYE-BUCKWHEAT.

UPLAND RICE.

It is a well-known fact that rice forms the principal food of one-half the population of the earth, and it is far more of a staple the world over than wheat, rye or corn. It is a very profitable crop, the main expense being the necessity of flooding the land, and it was supposed that rice could not be grown without irrigating. We now offer our customers an early variety which can be grown on any ordinary land although it prefers a moist situation, and has matured in Illinois. Its growth is similar to wheat. Sow early in drills 2 feet apart, and drop the seeds one inch apart in drills, covering about 1½ inches, one peck per acre. It stools out very heavily. Price per pkt. 5c, ¼ lb. 15c, lb. 40c, 3 lbs. \$1.00 postpaid. By express or freight, ¼ pk. 63c, pk. (11 lbs.) \$1.00, bu. \$3.75.

REPORTS WANTED

We are always glad to have our customers report results of their tests of our novelties.

ASK FOR OUR PRICES ON CLOVER AND GRASS SEED.

FLORAL NOVELTIES

All flower lovers will want to try some of these "Gems of the Floral Kingdom" this year as our list contains many varieties which are specially desirable and of surpassing beauty. Most of them are very easily grown and we are sure that they will give satisfaction. Why not beautify your garden this year with some of these floral gems.

AUSTRALIAN STAR FLOWER.

(*Cephalopterum Drummondii*).—A half hardy annual lately discovered in West Central Australia and never before offered. This surpassingly unique and beautiful plant grows readily from seed in any ordinary garden soil, preferring a rather sandy one. Blooms early in the season and continues in bloom for a long time. The fragrant flowers are of a peculiarly pleasing rosy crimson shade, sometimes approaching pure white, are produced in large graceful clusters which when cut will retain their form and color in perfection permanently, no other flower in any way equaling it in grace and keeping qualities. Full grown plants are about one foot high and the same across. Sow early in the open ground, or may be started early in the house and transplanted. Pkt. 10c.

MAMMOTH HELIOTROPE.

Everyone likes Heliotrope as it is one of the handsomest and most fragrant of all flowers. Desirable for growing in pots in the house the year around but far better bloomers when bedded

AUSTRALIAN STAR FLOWER.

out in the summer. This wonderful new strain produces immense heads or panicles of bloom in a very short time from seed and flowers abundantly in the garden all summer or will bloom the year around in pots, while the colors range from indigo-black through all shades of blue to almost pure white, and some with red tints, others with large white eye. In fragrance they seem to surpass the ordinary sorts. A packet of this seed will furnish a bed of flowers for your garden or lawn and give you great handfuls of the delicious blossoms all summer. Pkt. (about 100 seeds) 10c. Plants 15 cts. each, \$1 25 per doz.

CLIMBING MAIDEN HAIR FERN

We know that we are doing our customers a favor by advising them to grow this fine climber which has been known under the name of *Adiantum Cirrhosum*. Everyone who has seen it growing on our place has admired it, and its striking resemblance to the foliage of the Maiden Hair Fern has often been mentioned. Is a hardy, biennial climber, growing readily from seed; foliage feathery, dainty and picturesque. Blooms second year; pink and white flowers. Plant in cool, moist place. Pkt. 10c.



NEW
MAMMOTH
FLOWERING
HELIOTROPE

der light green leaves. Early in the fall the ends of the shoots are thickly set with small, bright scarlet flowers, the bushy plants resembling balls of fire. The plants are equally showy planted singly to show the round, ball-like form on all sides or grown in continuous rows. Per pkt. 10c.

CELOSIA SPICATA.

A wonderful new variety of Celosia and far different from any ever before seen. It is a handsome annual, forming upright, well branched pyramids about 2½ feet in height, and producing at the summit of each branch spikes of flowers of a bright rose color when opening, changing to silvery white; fine for the garden or growing in pots. Packet 15c.

ARCTOTIS GRANDIS.

One of the finest floral novelties of the season. It is a remarkably handsome annual which forms much-branched bushes 2 to 3 feet high, the foliage is soft and downy and of a whitish color; its flowers, borne on long stems, rising well above the foliage, are large and showy; the ray florets pure white on the upper surface, embellished with a narrow yellow zone at their base; the reverse of petals pale lilac-blue; the disc is light blue with slightly projecting white stamens; altogether a lovely flower. Pkt. 10c.

CHRISTMAS PEPPER.

For several years we have made a specialty of this Pepper at our greenhouses where we have grown several thousands in a season. They are ready for the market in October and November, lasting until Christmas, and the plants have sold like the proverbial "hot cakes." The plants grow about 12 to 15 inches high and are covered with bright, showy little fruit, which are at the same time, in various stages of growth, green, yellow, orange, pink, purple and shining scarlet. Of the easiest culture and a plant which every one will succeed with. We sell the plants at Christmas time at 50 cts. to \$1.00 each. Small plants in the spring 10 cts. each. Seed per pkt. 10c.



MEXICAN BURNING BUSH.

MEXICAN BURNING BUSH.

This we consider one of the most ornamental border or hedge plants which has ever been brought out and it is sure to attract great attention. It is known botanically as *Kochia Scoparia*. It grows quickly from seed sown in the open ground. The plants are always of the rounded or globe-like form shown in our illustration. The plants branch freely, and the stems are clothed with slender

freely, and the stems are clothed with slender, the bushy plants resembling balls of fire. The plants are equally showy planted singly to show the round,



CELOSIA SPICATA.

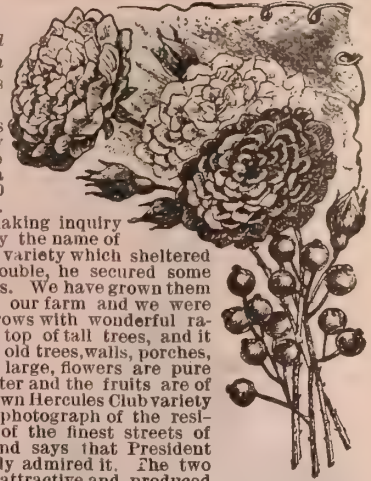


ARCTOTIS GRANDIS—THE AFRICAN LILAC DAISY.

JONAH'S GOURD.

"And the Lord prepared a gourd and made it to come up over Jonah that it might be a shadow over his head."—Jonah 4: 6.

Three years ago one of our friends was traveling in Asia and the Holy Land, and in driving through the country near Joppa he noticed a peculiar vine which grew about 50 or 60 feet in length along a fence. He was interested in it, and on making inquiry found that in that country it went by the name of Jonah's Gourd, and is probably the variety which sheltered the prophet. After considerable trouble, he secured some of the seed and presented them to us. We have grown them both in our trial grounds and on our farm and we were much pleased with the plant. It grows with wonderful rapidity and will quickly climb to the top of tall trees, and it therefore will be useful for covering old trees, walls, porches, outbuildings, etc. Leaves are quite large, flowers are pure white, two or three inches in diameter and the fruits are of great length resembling the well known Hercules Club variety. Our illustration was made from a photograph of the residence of J. B. Hammond, on one of the finest streets of Washington, D. C. Mr. Hammond says that President Roosevelt frequently saw and greatly admired it. The two vines covering the house were very attractive and produced seven large gourds. We believe all flower lovers will want to try Jonah's Gourd, and we are therefore offering it in packets of 6 seeds for 10c; 3 pkts. 25c.



FAIRY ROSES.

**JONAH'S GOURD ON RESIDENCE IN WASHINGTON, D. C.
NEW RAINBOW PANSIES.**

The best novelty in pansies and certainly the most charming variety ever sent out. We have given it the name of New Rainbow, and consider it very appropriate owing to its beautiful iridescent colors. Our illustration shows three of the leading types of this mixture by which you will see the varied styles of variegation, but no illustration can do justice to its superior beauty. There is an almost endless variety of colors comprising all shades of the rainbow—blue, purple, crimson, brown, yellow, pink, red, white and black, beautifully marked, striped, veined, margined and blotched; the colors are more beautiful than any painter could depict. In a good sized bed you can readily find one hundred different varieties, but not a poor one or an inferior one. The flowers are of large size and perfect in form, nearly circular and most of them have a rich velvety appearance; they will astonish and delight "pansy fanciers." Packet of 100 seeds 25c; large, strong plants of Rainbow Pansy, 50c doz. postpaid.

\$10.00 PRIZE

We offer a cash prize of \$10.00 in gold for the longest gourd grown this year from this seed. Anyone purchasing direct from us may compete. Send report by October 20th.

The largest gourd reported last year measured 50 inches and was grown by Mary E. Heston, Wycombe, Penna.

FAIRY ROSES.

These little beauties are very easily grown from seed. The roses are only about an inch across, usually very double, but are occasionally semi-double, and seldom single; they are borne in large clusters and are of many colors. What is most remarkable these Fairy Roses grow only 10 to 15 inches high and will commence blooming in a few weeks after the seed is sown, and continue year after year in uninterrupted profusion from May until frost. Also nice for pot plants for winter blooming. Per pkt. 10c.

PALMS.

These for centuries past have been exclusively for the rich, the plants usually selling at \$3.00 to \$100.00 each, and in some as high as \$1,500.00 each. It is now known, however, that they are easily grown from seed. Directions for growing printed on the packet.

LATANIA BOBONICA

—This is the typical palm, and is more largely used than any other; strong, healthy habit. Per packet of 6 seeds 10c.

CHAMÆROPS EXCELSA.

—One of the very best plants for house culture in cool climates, and standing ill-usage remarkably well. Pkt. of 10 seeds, 10c.

PHOENIX DACTYLIFERA

—A native of northern Africa; beautiful for pot culture, and very hardy. Per packet of 10 seeds 10c.

WASHINGTON FILIFERA.

—Stands dust, dry air and lack of sunshine; its fan-shaped leaves are fringed with long, threadlike filaments. Pkt. of 12 seeds 5c.

UMBRELLA PALM.

—(Cyperus.)—See description on page 84. Pkt. 100 seeds 10c.

BANANA PALM.

—(Musa Ensete.) Leaves very long and broad, green, with crimson mid-rib. Pkt. 3 seeds, 10c.



LATANIA BOBONICA PALM



RAINBOW

PANSY

**GOOD VENTURE GERANIUM.**

Yes, you can grow good Geraniums from seed, and as they sport, the gardener is frequently rewarded by charming new varieties, and may obtain a novelty of much value, especially if this new strain of seed is used. When visiting the fields of a geranium specialist in California we noticed one lot of many hundred plants which were particularly fine. The grower was hybridizing these for seed, and we made arrangements at once for the entire stock, paying more than a dozen times what ordinarily good seed would cost us. They are giant flowering, the florets are round and of most perfect form and borne in splendid trusses, some of them being of immense size.



GOOD VENTURE GERANIUM

Are beautiful crimson, scarlet, salmon, pink, rose, snowy white, and aureole. Start seed in the hot-bed or shallow boxes of rich soil in a warm, sunny window, covering but one-eighth inch in depth. Per pkt. 15c.

A GRAND OFFER

One packet of each of the six elegant varieties of Palms mentioned above for only 35 cents. Plants of the Latania Palm 25 cents each, postpaid. Larger plants, of magnificent appearance, \$1.00 to \$5.00 each, by express not prepaid.



ELECTRIC LIGHT PLANT.

GIANT FANCY FLOWERED PETUNIA.

A grand new strain and unquestionably the finest selection of petunia in existence as it is of incomparable beauty, size and luxuriance. Many of the flowers are exquisitely ruffled or fringed on the edges, and are of enormous dimensions (4 to 5 inches across), but their great merit lies in the unlimited varieties of colors, markings, veinings, blotchings and stripings, in the most grotesque and beautiful combinations; with deep throats of charming yellow, white, black, green or maroon, running off into intricate veins. If you like beautiful petunias be sure to include this variety in your order. Produces very little seed and therefore will always be high in price. Worth about double its weight in gold. Pkt. 25c.

CHINESE LANTERN PLANT.

Or Giant Scarlet Ground Cherry.—A remarkable novelty. The plant grows to a height of 18 to 24 in., of sturdy upright growth and is loaded with balloon-like husks 3 to 3½ in. in diameter. These husks are at first light green, gradually turning to bright yellow and then to the most intense orange scarlet. At this period of growth the plant is strikingly suggestive of being hung with hundreds of miniature Chinese lanterns. Fruit of excellent flavor either as a fresh fruit for dessert or for preserving. It is a perennial, the roots living over winter in the ground. Pkt. 10c. Strong plants 10c each, 3 for 25c, doz. 75c.



CHINESE LANTERN PLANT

DOUBLE SWEET PEAS.

By years of hybridizing and selection, the new double flowered sweet peas have been produced, and they are not only beautiful but the flower is quite lasting. About half of the plants from this seed produce flowers which are double and semi-double. Our mixture contains all the best varieties yet brought out, white, rose, crimson, maroon, lavender, striped, etc. Try them. Pkt 5c, oz. 10c, ¼ lb. 30c.

BUSH SWEET PEAS.

A new race of entirely distinct growth. Plants are erect, 15 to 18 inches high when in full flower, but branching freely, forming bushes frequently 15 inches in diameter. Many colors. Pkt. 5c, oz. 10c, ¼ lb. 25c, lb. 75c.

TRIAL GROUNDS MIXTURE SWEET PEAS.

We test hundreds of varieties of Sweet Peas as new sorts are constantly coming out. This mixture is saved from trial grounds and contains a great assortment of newer varieties. Pkt. 5c, oz. 10c, ¼ lb. 25c, lb. 75c.



DOUBLE SWEET PEAS.

ELECTRIC LIGHT PLANT.

Near the entrance to Greenwood Park of this city there was a large bed of flowers which attracted universal attention. It bloomed constantly throughout the season. They were called "Electric Light Plant," though they are evidently some improved variety of Cleome. We secured the seed which these plants produced and last summer grew a fine crop of it on our farm. It is a sturdy, bushy plant growing to a height of about four feet and covered constantly with large spikes of flowers, six to nine inches long which are pure white at base and ranging from rose to a bright red at apex. Grows readily from seed which should be planted in open ground early in spring. It makes one of the most showy, ornamental plants imaginable for clumps and massing. Don't fail to try it as it is very fine. The seed pods of this attractive novelty, which are separate from the flower heads, add to the distinctive features. Pkt. 10c.



Giant Fancy Petunia.

NEW DOUBLE CALLIOPSIS.

Everyone who knows the old-fashioned single Calliopsis, or Coreopsis, loves it, as it is one of the most showy flowers for bedding, and the colors are so brilliant that the popular name "Bright Eyes" was given them. Has for many years been a great favorite with thousands of flower lovers. What will you say now to having a new double Calliopsis? Most attractive. They grow quickly from seed, blooming in a few weeks after seed is sown, and if flowers are removed as they begin to fade, the plants will be loaded with bloom throughout the summer and fall. It is of brightest golden yellow, distinctly marked, striped and blotched, with rich, dark brown. In some of the flowers the petals are smooth and lie flat, some cup shaped and others beautifully fringed. Pkt. 10c.

SWEET SCENTED MAYFLOWER VERBENA.

This is of the same trailing habit as the Arbutus or Mayflower, its branches creeping over the ground and hugging it closely. Its blossoms are of the same shape and about the same size. The new Verbena Mayflower has all these characteristics, with the additional merit of possessing the same lovely and delicate pink and white coloring, making its flowers closely like the Arbutus; and, last, it has the same exquisite fragrance. Packet 10 cents.

FOUNTAIN PLANT.

A handsome foliage plant of bright colors and attractive form. Pkt. 10c.

ARABIAN RUNNER BEANS.

Quite similar to the old Scarlet Runner, except in color of flowers. Undoubtedly most of our customers have seen the scarlet runner bean which makes such a fine climbing plant for covering porches and other places, but this new variety is a rapid grower, starting quickly from seed and climbing with great rapidity and is soon covered with beautiful flowers, but instead of the flower being scarlet it is pure white, with a most brilliant scarlet center thus making a very showy plant. It blooms freely throughout the season provided the pods are removed to keep it from going to seed. Very large, long pods which are fleshy, tender and of excellent flavor for table use. Earlier bloomer than the Scarlet Runner. Pkt. 6c; ¼ pt. 20c.

PRINCESS HELENE DOLICHOS.

One of the prettiest climbers. Of very rapid growth; it will grow to a height of 15 feet. Flowers are snow white, sweet scented and followed by cream colored pods which hang to the plants until late in the fall. Per pkt. 10c.

COMMELINA SELLOWINA.

A lovely perpetual flowering "Wandering Jew," suitable for the garden in summer or for pots all the year. The flowers look like blue butterflies; blooms in a very short time from seed. Pkt. 10c.

BLUE BELLS.

Who has not heard of the "Bonnie Blue Bells of Scotland," renowned in poetry. Flowers bell shaped and of a bright sky blue color. A hardy perennial. Pkt. 10c.



SWEET SCENTED MAYFLOWER VERBENA



CAPRICE NASTURTIUM.

CAPRICE NASTURTIUM.

A profuse blooming, extra large flowered, climbing variety with beautiful dark foliage. The flowers are wonderfully rich and brilliant in markings—showing many combinations of coloring. It is appropriately named Caprice from its remarkable character of frequently having most varied colored flowers on a single plant. Sometimes more than a dozen different colors or shades of flowers will be produced on a plant at the same time, from a very light creamy yellow, through all shades of yellow and red to a dark, velvety maroon. Per pkt. 10c, oz. 35c.

IVY LEAVED NASTURTIUM.

This unique and most beautiful climbing Nasturtium is different from all others both in foliage and flower. The plants are of running growth with star-like pointed leaves of rich green, veined with white. The flowers are of medium size, intense glowing scarlet in color, and of most distinct form. Pkt. 5c, oz. 20c.

CURIOUS CACTI.

Almost everyone who keeps house plants likes to have a few nice cactus. We furnish seed collected from the choicest varieties in Arizona, New Mexico, Texas, California, and Old Mexico, as well as some foreign varieties and mixed together. Plant seed in a box of clean sand. Per pkt. 10c.

PENTSTEMON GLOXINOIDES.

We have always thought highly of the Pentstemon but when we saw this variety growing near Hartz Mts. in Germany we were delighted and purchased the stock at once. It is a hardy perennial and if sown early will bloom the first year. Of graceful growth, with many spikes of Gloxinia-like flowers, 2 inches across; brilliant colors; blooms from June till October. Give rich soil and good culture. Packet 10 cents.

AFRICAN WATER LILIES.

These have been quite popular during the past few years. They are easily grown and bloom in three or four months from the time of sowing seed. For persons having no pond, sink half barrel in ground. Directions sent in packet. Mixed colors, red, white, blue, pkt. 10c.

BIRD OF PARADISE FLOWER.

This plant properly known as *Poinciana Gilletii*, may be considered one of the wonders of nature, as it is of such curious and strange form. It is a rare plant and we presume but few of our customers have ever seen it in bloom. It attracts much attention on our place last summer. The flowers are large, about 2½ inches in diameter and are produced in very large trusses. They are of a rich golden yellow color, but the most attractive part is the large pistils, which are of beautiful bright crimson color and spread out in fan-shape. If the seed is started early, it will produce a profusion of blooms the first year. Per pkt. of 10 seeds 10c.

DOROTHY ECKFORD SWEET PEAS.

This is by far the largest and grandest specimen of a white sweet pea yet introduced. It has the hooded or shell shaped form, giving it a most graceful appearance, and in color is the purest white, not having the slightest tinge of any other coloring. The flowers are borne on exceptionally long stout stems and the plant itself is stocky, short jointed and produces an enormous mass of bloom. Pkt. 5c, oz. 10c, ¼ lb. 25c, lb. 75c.

NICOTIANA SANDERAE.

A grand novelty never before offered and one which will delight all flower lovers. The old *Nicotiana glauca* has always been a favorite on account of its pure white flowers and delightful fragrance and the *Sanderæ* is much like it except that it is of a beautiful rosy carmine color and blooms more freely. Grows about two feet high, branches freely and is fairly loaded with flowers which are open all day instead of being a night bloomer like some other sorts. Sow seeds early in the house and transplant in May to the open ground. Pkt. 25c.

CLITORIA.

TERNATEA.—A beautiful perennial plant which is suitable for pots or the garden, and which blooms freely the first season from seed; blossoms shaped like Sweet Peas and of a dark, rich indigo blue with a white center. Pkt. 10c.



BIRD OF PARADISE FLOWER.

IMPATIENS SULTANI.

Also called Sultan's Balsam. One of the prettiest plants for pot culture and also out door planting in a half-shaded situation. This mixture contains many new shades of "cerise," dark violet, pink and carmine-rose. They produce a profusion of bright, waxy looking flowers. Pkt. 10c.

Three Grand Fruits for 1905.

It requires very little space to produce sufficient fruit to supply a family and there is no crop which pays better. Why not give these grand new varieties a trial this season?

THE NEW IOWA RASPBERRY.—We are pleased to introduce this year this magnificent new variety which originated near Storm Lake, and because of its sturdy, vigorous growth and great productiveness we consider it worthy of the proud name it bears. It is perfectly hardy, standing well the extremes of both summer and winter. It is of rather dwarf growth with remarkably strong canes which are thornless. It begins bearing very early in the season, having produced the first ripe fruit in the comparative test with twenty other varieties, and also produced the heaviest crop which we ever gathered from the same number of plants. Continues in fruit until very late. Quality is pronounced the best of all red raspberries. Price 25c each; \$2.00 per dozen, postpaid.

Mr. A. Calkins, of Buena Vista County, Iowa, says: "It has proved harder than any other raspberry either black or red. I picked 360 quarts one day from ten rows twenty rods long, and it continues in bearing throughout a long season." M. J. Graham, of Dallas County, says: "It is the earliest, the latest, the largest and best red raspberry of which I have had any knowledge."

WM. BELT STRAWBERRY.—If you only knew the enjoyment you would have from a bed of strawberries we are sure you would delay no longer. A bed 6x10 feet will accommodate two dozen plants. In a comparative test with a large number of varieties this has given the very best satisfaction. It originated with M. Crawford, the strawberry specialist of Ohio. It is a superb berry for the family garden. Doz. 50c, 2 doz. 75c 100 \$2.00 by mail postpaid; by express, not prepaid, 100 \$1.50.

Mr. Crawford says of this variety: "The plant is one the largest, a luxuriant grower; has a perfect blossom and is very productive, more so than the Bubach. In productiveness, size, beauty and quality the Wm. Belt will scale higher than any other variety I ever raised." Dr. Van Fleet, of the Rural New Yorker, calls the Wm. Belt about the best all-around berry grown on their farm.

THE McPIKE GRAPE.—We have been watching this grand new sort for several years and have talked with many practical grape growers who have been testing it in a commercial way and they all unite in pronouncing it the most valuable black variety ever offered. It originated in Illinois and is a seedling of the Worden and a great improvement on that well known variety being both larger and better. It is earlier than the Concord, bunches large, even and compact, berries even in size, covered with a beautiful bloom, blue-black in color, ripens uniformly and has generally the appearance of the Worden. The berries are of mammoth size, being three inches in circumference, and of superb quality—by far the best grape grown. It has proved to be perfectly hardy, and has taken premiums at the Ohio, Indiana, Illinois and Missouri state fairs. If you plant only one variety of grapes this year, the McPike should be that one. We recommend it. Each 50c, doz. \$4.00 postpaid.



NEW IOWA RASPBERRY.

BE THE FIRST IN YOUR NEIGHBORHOOD TO GROW THESE NEW VARIETIES OF FLOWERS.

Flower Plant Novelties

The novelty pages in a catalogue are always of interest to flower lovers and this year we offer many valuable novelties in flower plants which have been collected from various parts of the world, and thoroughly tested in our own greenhouses and on our trial grounds. Descriptions were carefully made from nature and we are sure all will please our customers. In our general list, on pages 69 to 90 will also be found many valuable novelties in this line. Plant orders should amount to at least 25 cents. You may select plants amounting to \$1.20 for \$1.00, \$2.50 for \$2.00, \$7.00 for \$5.00 postpaid.

NOVELTY COLLECTION

Notice the collection of flower plants shown on page 75. Five very desirable sorts for 50 cents.

NEW DOUBLE FLOWERING BEGONIAS.

We put these first on our list this year as we are sure that all plant lovers will want to try them. They are a new departure and one deserving the greatest praise for their strong, vigorous growth, attractive foliage, handsome shaped double flowers, brilliant colors, and above all their wonderfully free flowering propensities. In fact the superintendent of our greenhouses says it is rather difficult to propagate a sufficient number of plants as every branch is loaded with bloom, and the little cuttings produce flowers while still in the sand, almost before striking root. Of the easiest culture and desirable for either pots or bedding. There are four distinct colors as follows:

Boule de Neige.—With large, full, pure white flowers with light yellow stamens. Each 15c.
Triumph de Lorraine.—Scarlet; a profuse bloomer; the finest of the four; color of bud and flower a rich, bright scarlet. Each 15c.

Glorie de Montet.—Rose; perfectly double; bright rosy carmine. Each 15c.

Nancy.—Pink; a clear pink center with a deep pink edge. Each 15c.

The Set of Four Double Flowering Begonias for only 50 cents.

DOUBLE NASTURTIUM.

Did you ever see one? Very few people have, but we have a fine lot of them this year and are offering them at a low price. It is a most charming novelty which is really difficult to describe. The flowers are large and fully double, which gives them a very different appearance from any others. They have a rich, spicy fragrance. Some flowers are of a bright yellow, and some of a rich, dark orange crimson with shading of deep mahogany red. It is not a "freak" with a few small insignificant flowers, but a really good double flower, 2 to 2½ inches across, which will instantly attract the attention of everyone who sees them. Plant is a strong, vigorous grower of climbing habit and fine for trellises, window boxes, vases, etc. It is a constant bloomer. Never produces seed. Each 15c. Four for 50c.

PASSION FLOWER.

One of the most desirable of all climbing plants. Will climb 10 to 12 feet high in a season and covered with pretty leafage and handsome flowers. Ea. 15c.

DOUBLE NASTURTIUM.



NEW DOUBLE FLOWERING BEGONIAS.

GERBERA JAMESONI.

Transvaal or Barberton Daisy

No flowering plant introduced in many years has created such a sensation as this beautiful scarlet daisy. The plant is a native of the Transvaal, and, although introduced into Europe fifteen years ago, its propagation was so little understood that until two years ago it was difficult to obtain even a single plant at any price. Its grace and beauty will continue to win the admiration of all true lovers of plants. Of easy culture and free flowering. Each 25c.

GIANT FLOWERING CALADIUM.

In general appearance this plant somewhat resembles the common Caladium (*C. Esculentum*), but is entirely distinct, being much larger and grander. Leaves having a heavy, leathery texture, and a bright, glossy-green color, with metallic luster which is remarkably handsome. It does not produce a bulb, but is increased by suckers, and is perennial. Leaves 3 to 5 feet long, by 2 or 2½ feet broad; perfectly immense, and make a plant which for tropical luxuriance has no equal. The flower resembles a giant calla and remains open three days and nights; the first two days it is of the purest snow white; the third day it changes to a pale yellow. Each 25c.

Sunrise Rose Collection.

There is no flower so popular as the rose and the demand increases each year. Last year we color-plated this grand collection of the world's finest novelties and the demand was so great and they were so satisfactory that we are tempted to repeat the offer. The entire collection of six choice plants worth \$1.10 for 65c.

SUNRISE.—This grand new rose has taken first honors in the cut flower shows. When in bud form it is a deep coppery pink color, but as the blossom opens the inner side of petals shade from clear yellow to deep copper color thus making a pleasing color effect. The flower has the true Bon Silene fragrance and is desirable both in bud and when in full bloom. Each 20c.

BESSIE BROWN.—This is called by rose specialists the finest new variety which has been brought out for many years past. It is a hybrid tea variety which originated in England. Blooms are very large in size, full double and of perfect shape; color, creamy white flushed and tinged with pink, especially at the edges of the petals which are shell-shaped. Blooms freely. Each 20c.

HELEN GOULD.—Has proved itself to be the strongest growing, freest blooming and largest flowering hardy rose in existence. It is better for general planting than the American Beauty. The buds are beautifully shaped, long and pointed; the flowers are full and perfectly double; color rich, rosy crimson, particularly bright and glowing; also a good winter bloomer. Each 15c.

FRANCES E. WILLARD.—Undoubtedly the best pure white ever-blooming rose ever introduced. Buds and flowers are of large size, perfect form, pure snow white color. It is delightfully fragrant and blooms freely. Plant is a strong vigorous grower. Each 15c.

ROGER LAMBERLIN.—The most exquisitely beautiful and rich colored rose ever sent out and in fact it is so very much different from all other varieties that very few persons suspect that it is a rose. The petals are curiously fringed. Color rich, dark, glowing crimson, beautifully margined with white. Each 20c.

TULIP ROSE.—(*Madam de Watteville*)—Has created a great sensation in Europe. The flower when half open is the shape of a tulip, and also of a rich variegated color. It is a remarkable shade of cream yellow suffused with rosy blush. Petals are large and each is broadly bordered with bright crimson; feathery shaded. Each 20c.

COLLECTION.—The above six Roses for 65c.



A NICE BED OF CANNAS WILL GIVE UNEQUALED SATISFACTION.

NEW CHRYSANTHEMUMS.

GOLDEN CHADWICK.—A grand novelty, and we consider it the finest yellow variety ever introduced. Flowers are very large, globular and showy, many of them 7½ inches in diameter. Petals are broad, of great substance and handsomely curved. Its large size is of course especially noticeable when grown as a single stem and only one flower allowed to develop on each plant. It is a strong, vigorous grower, free from disease, and we are certain every one will be pleased with it. Each 2 c, 5 for \$1.00.

F. E. TAGGART.—An immense flowered ostrich plume variety, fully six inches in diameter. Has been called the most pleasing shade of yellow yet introduced and is certainly the most delicately handsome, and still massive flower which you can imagine. Each 20c.

GOLDEN CHAIN.—What do you think of a Climbing Chrysanthemum? We call it a decided novelty, and the Golden Chain has many valuable characteristics to commend it. Plants grow to a height of ten or twelve feet and will cover a trellis handsomely. The flowers are of bright golden yellow color, but single and of small size, only about one inch in diameter. They are wonderful bloomers, continuing in flower from October until May and sometimes producing 6,000 to 10,000 blossoms. Each 15c.

ST. LOUIS EXPOSITION SET.

The following five Chrysanthemum novelties captured all the best prizes at the St. Louis Exposition and may therefore be considered the best sorts in existence. The set of five for \$1.00.

CHILTONI.—Splendid exhibition variety of a beautiful clear yellow. Each 25c.

S. T. WRIGHT.—Finest dark velvety crimson. Petals broad, thick and regularly reflexed. Small plants sold last year at \$1.00 each wholesale. We now offer nice plants at 35c each.

A. J. BALFOUR.—A grand Japanese incurved, color rosy pink. Each 25c.

CONVENTION HALL.—Pure white with very broad center, petals and tubular ray florets. Each 25c.

MRS. E. THIRKELL.—A beautiful deep yellow variety with amber shadings: a monster flower. Each 25c.

The Set of Five for only \$1.00.

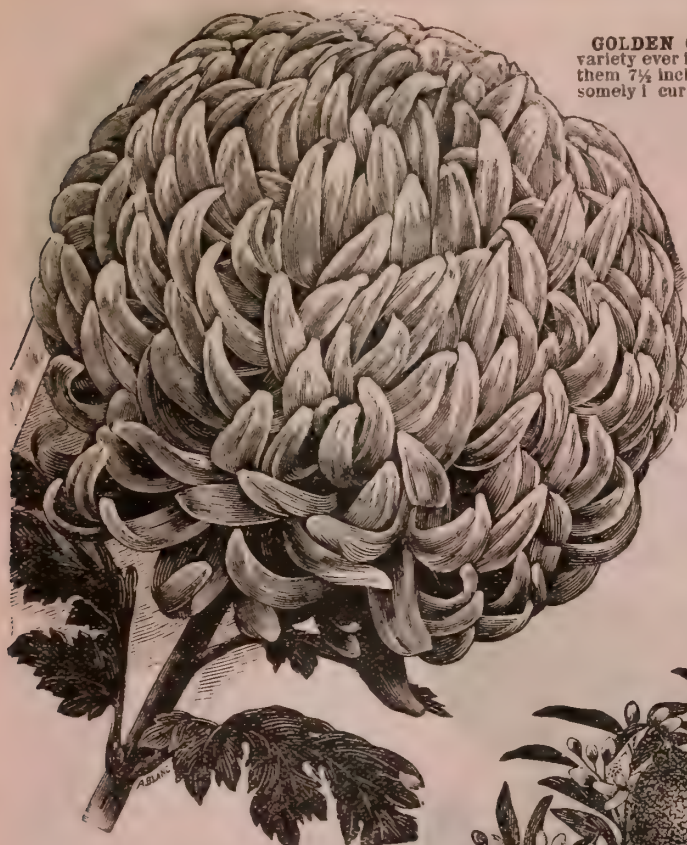
PURPLE FOUNTAIN GRASS.

Pennisetum Rupeppianum.—A beautiful annual ornamental grass, growing about 2½ feet high, producing long, graceful, cylindrical, purplish plumes. An excellent ornamental plant, and the most appropriate to use as an edging to a bed of Cannas. Young plants ready in May. Each 10c; \$1.00 per dozen: \$6.00 per 100.

STEPHANOTIS FLORIBUNDA.

One of the most charming hot house climbers, growing rapidly, with long, deep green foliage, and producing clusters of pure white, deliciously fragrant flowers. Does finely for house culture, blooming all summer. It is not hardy, but should be kept partially dormant in the house during the winter. A really beautiful decorative plant when properly trained on trellis and a plant rarely seen. Each 25c.

The plants that arrived last week and those received to-day, reached here in good condition.—Mrs. Alex Robinson, Benicia, California.



GOLDEN CHADWICK CHRYSANTHEMUM.

PONDEROSA OR AMERICAN WONDER LEMON.

Nothing has ever caused half the commotion that this wonderful Lemon has. It is a true ever-bearing variety. On a plant six feet high no less than eighty-nine of these ponderous lemons were growing at one time. It was a beautiful sight to see. The tree was blooming and at the same time had fruit in all stages of development, from the size of a pea to the ripe fruit, showing it to be a true ever-bearer. Blossoms waxy white and as fragrant as orange blossoms. Fruit has been taken from this tree weighing over four pounds. The lemons have very thin rinds for such large fruit. It is the juiciest of all lemons, makes delicious lemonade, and for culinary purposes cannot be excelled. It is not uncommon to make twelve pies from one lemon. It fruits when quite small, and makes a lovely house plant. Everybody can grow their own lemons; it will fruit freely the second year. Strong plants, each 20c postpaid. Large two-year-old plants 50c and 75c each by express.

READ THIS—Brussels, Belgium, Sept. 23.—The seven Rose Bushes which you sent me last spring came through in good shape and are now growing nicely.—Charles J. Murphy



PONDEROSA LEMON.

COUNTESS LOUISE ERDODY BEGONIA.

This variety is sometimes called "Snail Begonia" on account of the peculiar formation of the leaves. The form is exceedingly odd and unique. The striking peculiarity which distinguishes it from all other Begonias consists in the fact that the two lobes at the base of the leaf do not grow side by side, but one of them winds in a spiral-like way until in a full grown leaf there are four of these twists lying on top of the leaf nearly two inches high. The leaf has a metallic lustre, dark silvery in the center, shading into coppery rose toward the margin, which is broadly and evenly edged with the same hue, but darker and more brilliant. Very curious. Each 25c.

CAMELIA VINE.

In the Camelia Vine (*Calystegia Pubescens*) we have a flower of true Camelia shape and size, nearly three inches in diameter, perfectly double and of most beautiful delicate rose color. Of easiest culture, growing well in any soil or location. Vine is of rapid growth, quickly covering trellis or porch and growing to a height of 15 to 20 ft. For best results set 12 to 18 inches apart. Leaves are lance shape, dark green, and lap like shingles. Roots live in ground over winter. Blooms continuously from May to October and pleases everyone. Each 15c; doz. \$1.50.



LOUISE ERDODY BEGONIA.



CAMELIA VINE.

IT PAYS TO PLANT OUR HARDY ROSES. SEE LIST ON PAGES 81 AND 82.

NIGHT BLOOMING JASMINE.

World famous, deliciously fragrant Night Blooming Jasmine (or Jessamine) about which poets have sung and over which tourists, in its native land (Chili) have gone into ecstasies, and yet how few, comparatively, in our own country have ever seen it. It is of the easiest culture and still somewhat difficult for the ordinary florist to propagate and perhaps this is the reason why they are not better known. It is a plant of strong, shrubby growth with handsome glossy green foliage and bears an immense number of small star shaped flowers. One plant on our place had at one time fully 3,000 flowers and you can well imagine that it was a grand sight as the plant was about three feet high, and thirty inches in diameter. The delightful fragrance is dispensed only at night. It begins to bloom when very small. Each 15c, 3 for 40c.

THE FAIRY WATER LILY.

Leaves strikingly like a water Lily but of a yellowish color, with darker veins, dark purple underneath and curiously rough and pitted. Its flowers which are produced freely the year round, are white with a yellow center like miniature Water Lilies and curiously borne on the same stem which bears the leaves. Will grow in either deep or shallow water and is a charming plant for the aquarium. Nice plants 15c each, 4 for 50c.

SUNRAY FUCHSIA.

A novelty in the Fuchsia family. Very different from the other varieties in that their beauty lies in the foliage, from which it gets its name. All the colors of the sunset, clear yellow, golden bronze and red are combined in the most effective way to make a pretty foliage plant. Each 25c.

WHITE PHENOMENAL FUCHSIA.

Most of our patrons are acquainted with Fuchsia Phenomenal, and know what a very desirable variety it is. This variety is fully as large, sometimes three inches across and the flowers are double white, veined at base with carmine. Tube and sepals bright carmine. It is of strong robust habit, and it may be called a perpetual bloomer. These flowers have been grown to the size of a small teacup and plants are so full of handsome blooms as to resemble a perfect ball in shape. Each 15c.



NIGHT BLOOMING JASMINE.

BOSTON FERN.

This is now one of the most popular of all house plants and we sell thousands of them to florists in Chicago, St. Louis and elsewhere as well as immense quantities to our own trade. No other plant is used so extensively. The fronds which sometimes attain a length of four feet arch and droop over very gracefully on account of which it is called the fountain Fern. This drooping habit makes it an excellent plant to grow as a single specimen on a table or pedestal. Price, small plants 15c, large plants 25 and 50c.

ANNA FOSTER FERN.

Greatly resembles the Pierson Fern, but is more easily propagated and can be furnished at a lower price. One of the most charming plants for the house as it is very little affected by gas or the dry atmosphere of the ordinary living rooms. While the fronds of the Pierson Fern are broader and more showy, still, this is a plant whose delicate, graceful beauty appeals to everyone and we consider it one of the most desirable sorts ever sent out. Each 20c.

SHASTA DAISY.

The Shasta Daisy is one of the most marvelous productions in the flower line that has ever been brought to the notice of horticulturists. It is the first of a new

type, combining the Japanese, American, and European strains selected to produce this wonderfully beautiful and useful strain. It can be grown out of doors by anybody, where it is not cold enough to kill oak trees. It is perennial, blooming better and more abundantly each season. The flowers are extremely large and graceful, averaging about four inches in diameter with three or more rows of petals of the purest glistening whiteness, and are borne on single, stiff, wire stems, nearly two feet in length. It originated with Luther Burbank, the "wizard of horticulture." We predict that it will soon find a place in every garden. Strong plants each 15c; dozen \$1.50.

OSTRICH PLUME OR PIERSON FERN.

This grand new fern we believe is the finest plant novelty introduced for many years. It resembles the Boston Fern in some ways, but is indescribably more beautiful, and being equally hardy and easily grown, will at once take its place as one of the grandest and most beautiful decorative plants for house and conservatory culture ever produced. Its feathery, plume-like fronds more nearly resemble the graceful ostrich plume than anything else in nature to which we can compare them. One has to see a plant in growth to appreciate its beauty and value. The fronds grow broad and heavy, measuring at least six inches across when fully developed, increasing in beauty as they develop. This plant has received a gold medal on six different occasions at plant exhibitions and is conceded by everyone to be the fern of the century. It is a sport from the well known Boston Fern, differing from it in that the pinnae of the Boston Fern frond is subdivided into separate pinnae making each a perfect frond. So elegant are the large plants that we frequently sell two-year-old specimens at \$3.00 to \$5.00 each. Nice young plants 25c each. A few fine specimen plants, \$1.00 each, by express, not prepaid.



WHITE PHENOMENAL FUCHSIA



OSTRICH PLUME FERN. (PIERSON.)

REMEMBER WE GROW ALL THE PLANTS WE SELL AND THEY ARE THE BEST MONEY CAN BUY.

BABY RAMBLER ROSE.

Decidedly the best rose novelty of the season and the very best red bedding rose in existence. It originated at Orleans, France, from a cross of the Crimson Rambler and a Polyanthus variety. It may be called a perpetual blooming dwarf Crimson Rambler. The bush is vigorous, absolutely hardy, about 27 inches in height and the introducers guarantee it to be in bloom every day of the summer and fall until severe frosts when grown out doors. Sometimes as high as 120 flowers have been counted on a single panicle. Color bright glowing scarlet. Has won first class prizes at many of the French and English flower shows. Everyone will want it and we advise you to order early. It has never been offered in America until this spring. Nice young plants 50 cts. each. Large dormant outdoor grown plants \$1.00 each.

LEOPARD GERANIUM.

A new orchid-flowered variety and the most distinct novelty in the ivy-leaved section yet originated. The flower is large, 2 inches in diameter, semi-double, and borne in



BABY RAMBLER ROSE.

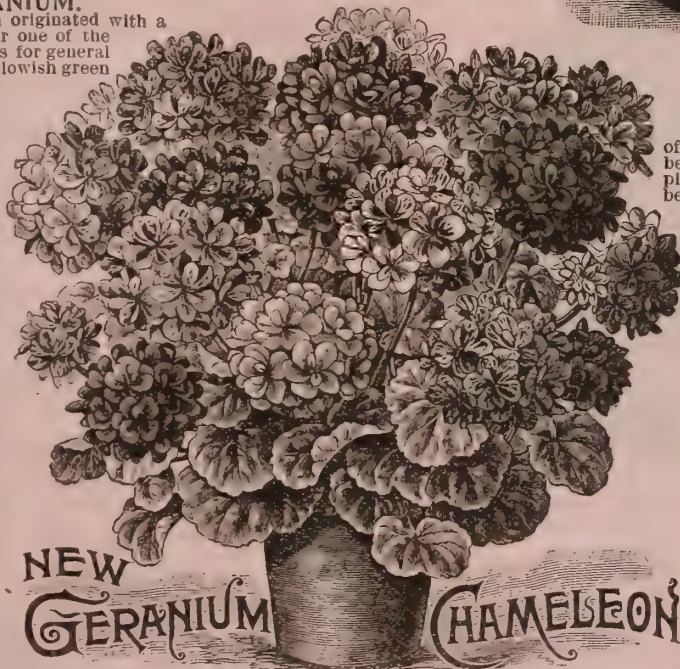
medium sized trusses. The color is remarkable, the ground is a clear, lilac pink, the upper petals being heavily blotched with deep crimson and usually marked with distinct maroon dots. This will make one of the most distinct basket plants in cultivation. It is a strong, vigorous grower and blooms all winter. Each 20c.

HESTER GERANIUM.

This fine new variety which originated with a florist of this city we consider one of the very best fancy leaved varieties for general bedding. The leaves are of yellowish green shaded with gold and zoned reddish brown. It is of dwarf growing, spreading habit, blooming profusely. Flowers bright scarlet. Fine for ribbon bedding. Each 15c, doz. \$1.50.

CHAMELEON GERANIUM.

(An improved Single New Life.)—This charming geranium was first sent out a number of years ago, but owing to its being of slow propagation the stock was nearly lost and it has not been prominently offered recently. When first introduced it sold at \$5.00 per plant. It is what might be called a "sport," or "freak" of nature, as it is quite erratic in its growth as shown by our illustration. Some flowers are red, some white, some pinkish salmon, and some clearly striped with the three colors. Frequently one plant will have on it flowers of all these colors at the same time. Other plants will bloom for months showing only one of these colors then suddenly changing to some other hue. It is a free bloomer, bearing many trusses of large, single flowers. The name Chameleon was suggested by its peculiar manner of changing color. Each 25c.



NEW GERANIUM CHAMELEON

PEACHBLOW HIBISCUS.

This is one of the finest free flowering plant novelties offered in recent years. It is a "sport" from the double red Hibiscus Rosea-Sinensis; the flowers are double and from four to five inches in diameter, of a charming rich, clear pink color, with a small, deep crimson center; an entirely new and beautiful shade. It blooms abundantly and continuously even on small plants, during the entire summer and fall months; may be easily wintered in the house. Large plants, 2 to 3 years old, make a magnificent show. Each 20c.

ASPARAGUS SPRENGERI

For planting in pots, vases or hanging baskets it is unequalled. It droops most naturally, sending out numerous feathery fronds which in a very short time make a growth of 3 to 6 feet forming an exquisitely handsome and striking picture. It resists all diseases that attend house plants, and will withstand a dry atmosphere. It produces small white flowers which are succeeded by red berries. A well established plant is literally a mass of emerald green. Nice young plants, each 10c. Large strong plants, each 25c.



ASPARAGUS SPRENGERI



WM. LANGGUTH GERANIUM.

WM. LANGGUTH GERANIUM.

This new silver-leaved geranium is one of the handsomest varieties which has been brought out for many years. The plant is of short, stocky growth, and the beautiful deep green leaves are bordered with a broad, pure snow white band, so that it is handsome even when not in bloom. It is however, free flowering for a fancy foliage variety, and just think of it, the flowers are double, and this makes it a decided novelty. Clusters are extra large, and of bright red color, shows magnificently against the white foliage. Each 25c, 3 for 60c.

HALL CAINE GERANIUM

Fine large trusses produced in great profusion, held high above the foliage; individual florets immense, 2 1/2 to 3 inches in diameter; color, bright cherry red; the habit is dwarf and compact, and exceptionally valuable as a pot plant for exhibition purposes. This is a striking flower, its telling color and immense size attracts universal attention; it is also a strong grower; foliage light green, with a slight zone of deeper green. Each 20c.



PEACHBLOW HIBISCUS.

FLOWER BULBS.

Many of the most showy, attractive, inexpensive and easiest grown of all summer and autumn flowers are contained in this important class. There are scarcely any other flowers that can compare with the noble and brilliant spikes of the gladiolus, the grace and elegance of the lily, the purity and sweetness of the tuberose, the majestic foliage of the caladium, and the wonderful markings of the tigridia. Bulbs for spring planting require scarcely any care, and quickly make a gorgeous display, while the bulbs can be kept over winter and year after year will return a hundred fold in beauty and satisfaction the trifling expense of the original cost. Our bulbs are large and strong and will be sent well packed postpaid on receipt of price, except where noted. **Discounts.**—Your selections of bulbs to the amount of \$1.20 at catalogue prices will be sent postpaid for \$1.00; \$2.50 for \$2.00.

AMARYLLIS.—*Atamasco.* (*Zephyranthes.*)—Beautiful dwarf bulbous plants, very effective for masses or borders, flowering with great profusion during the summer. The flowers are upright with broad petals, either pink or white. Each 10c, doz. 75c.

Johnsonii.—Of strong, vigorous growth, bearing from three to six brilliant red flowers on each stem. The petals are striped with white, rendering the flower very attractive. Fragrant. Each 50c.

Formosissima.—(*Jacobean Lily.*)—Of extremely rich, deep, velvety, crimson color. It is a free bloomer, and succeeds well either in pots or in the open ground. Each 15c, 3 for 40c, 1 doz. for \$1.25.

MONTBRETIA.—*Crocasmiflora.*—A showy summer-flowering plant producing many handsome, star-shaped blossoms of an orange red color. Hardy and improve year after year if left in the ground undisturbed. Each 5c, doz. 40c.

CALLAS.—*Mammoth White.*—Largest flowering variety and most majestic. It is of perfect flowering form with large tropical appearing leaves of bright green color and yielding throughout the season a profusion of white flowers. Large bulbs, each 25c; 3 for 60c; medium size, each 15c; 3 for 40c.

Black.—(*Solomon's Lily.*) This is the wonderful Black Lily of Palestine which was for many years supposed to be a myth. The flowers are large, and sometimes a foot long and of rich velvety black, very striking and ornamental in appearance. Each 15c, doz. \$1.50.

Yellow.—This fine variety is identical with the Mammoth White in every respect, except the color, which is pure yellow, so that the great value of this grand novelty can be readily appreciated. Each 6c.



LITTLE GEM CALLA.

Little Gem.—A perfect miniature Calla, growing eight to twelve inches high, producing beautiful snow white blossoms. Begins to bloom when only a few inches high, blooms summer or winter. Growing plants each 15c, 3 for 40c.

Spotted Leaf.—An ornamental plant, even when not in flower, the dark green leaves being beautifully spotted with white; fine for planting in the garden in summer. Each 10c; doz. \$1.00.

GLORIOUS CANNAS.

Such a great improvement has been made in Cannas during the past few years that they may well be called "Glorious." They are now generally considered the most showy and effective bedding plants. They have tropical appearing foliage and wonderfully showy flowers, some of which are truly orchid-like.

Gloriosa.—One of the grandest and most beautiful varieties ever brought out. It is a dwarf growing sort only 2 to 2½ feet in height with bright green foliage and therefore desirable as a border around beds of the taller growing sorts, as well as for pot culture. It bears long spikes of bloom, and the individual flowers are immense; color is rich crimson scarlet with a distinct golden band around each petal blending so as to make a perfect "symphony of crimson and gold." It is a perpetual bloomer. Each 20 cts. doz. \$2.00.

Alsace.—Well known as the "White Canna." Color is a creamy white without any spotting, and when grown with the dark yellow and red varieties appears like clear white. It is really indispensable in any collection. Height 5½ feet. Each 15c, doz. \$1.30.

Pink Queen.—Has dark green leaves which are broad and of thick leathery substance; height about three feet; color being the brightest pink imaginable, shading to old rose. Each 15 cts. doz. \$1.50.

President Faivre.—This is one of those large growing bronzy foliaged varieties which are almost indispensable for the center of beds. Height 6 feet; leaves long, broad and of attractive color. Produces numerous spikes of amaranth red flowers, petals being rather narrow. Each 10 cts. doz. \$1.00.

QUEEN CHARLOTTE,
FLORENCE VAUGHAN,
MAD. CROZY CANNAS.

Burbank.—The new American Orchid Flowering Canna. The flowers are truly gigantic in size, the upper petals spreading fully 7 inches. Toward the inner part the petals show fine crimson spots, all the rest of the flower is of a most beautiful, rich, canary yellow. Height 5 ft. Each 15c, dozen \$1.20.

America.—Height 4 feet. One of the handsomest of the bronze leaved varieties. Leaves show some tinting of green applied in such a way that they appear as if striped. Is a vigorous grower with wide, tropical appearing leaves; flowers of extra large size; color dark yellow, veined with red. Each 20c; doz. \$1.75.

Black Prince.—Height 3 feet. Dark green leaves and a vigorous sturdy grower. It produces spikes of crimson scarlet flowers. Each 15c, dozen \$1.40.

Charles Henderson.—Height 4 feet. Green foliage; one of the finest bedding varieties in existence as it is of compact and vigorous growth and free bloomer. Color a deep rich crimson. Each 10c; doz. \$1.00.

Chevalier Besson.—Height 2½ feet. Deep red flower, with bright green foliage and good size trusses. Each 25c; three for 60c.

Austria.—Height 6 ft. The giant golden lily-flowered canna. Flowers 6 to 8 inches across. Plant a strong grower. Each 15c, doz. \$1.20.

Ami Pichon.—Large, bright red flowers; plant of dwarf habit with dark green foliage edged with pinkish red. Each 15c, 3 for 40c, doz. \$1.20.

Florence Vaughan.—Height 5 ft. Dark green foliage; yellow flowers, spotted with bright red. Fine for bedding. Each 10c, doz. \$1.00.

Italia.—Height 5 ft. Foliage deep green, bordered white. Very large iris-shape flowers, red bordered with yellow. Each 15c, doz. \$1.20.

Alliance.—Splendid dwarf, light green variety. Height about 2½ feet. Flowers golden yellow, marked with light red. Each 15c, doz. \$1.50.

Alphonse Bevier.—Height 4½ ft. Leaves broad, dark green and of tropical appearance. Large heads of scarlet flowers. Each 10c; doz. \$1.00.

Madam Crozy.—Height 3½ feet. Green foliage; flowers vermilion red, gold bordered; a succession of flower trusses. Each 10c, doz. \$1.00.

Queen Charlotte.—Height 4 feet. A choice variety with green foliage; flowers rich orange scarlet with gold band. Each 15c; doz. \$1.20.

Rainbow.—Striped foliage, dark green, and very light green, red margin, stalks dark red, flowers carmine. Each 25c; doz. \$2.25.

Robusta.—Effective large dark leaved variety. Leaves 12 to 18 in. wide. Height 8 feet. Each 10c; doz. \$1.00.

Mixed Bedding Cannas.—A nice mixture of the desirable sorts. Each 8c, doz. 75c.

Duke of Marlboro.—Height 4 ft. Deep crimson maroon, darkest of all. Each 10c, dozen \$1.00.

A. Crozy.—Height 3½ ft. Crimson scarlet, with broad gold border. Each 15c, doz. \$1.50.

Chicago.—Height 4½ ft. Clear vermilion scarlet flowers and heads very large. Each 15c, doz. \$1.25.

Crimson Bedder.—One of the most showy flowered. Bright crimson scarlet. Each 15c, doz. \$1.25.

Pennsylvania.—Height 5 ft. A deep scarlet, orchid flowered variety; green foliage. Each 15c, doz. \$1.25.

Alamania.—Height 6 ft. Has enormous scarlet flowers with broad yellow border. Each 15c, doz. \$1.25.

Discolor.—Height 8 to 10 feet. Its mammoth leaves are green marbled creamy yellow, bordered with bronze red; flowers small. Each 15c, doz. \$1.25.



Gloriosa Canna.

DAHLIAS.

The Dahlia is one of the showiest of all autumn flowers. Commencing to flower in July, they are a perfect blaze of bloom until stopped by frost. Especially fine for cut flowers. We grew an immense field of them last summer and everyone who saw them was astonished at their large size, fine coloring and great number of flowers produced. For best results start roots early in house. Late in the season when dry roots become exhausted, we then fill orders with strong rooted pot plants.

Grand Duke Alexis.—Without exception the most unique and grandest dahlia ever sent out. Astonished everyone who saw it growing on our place last summer. Flowers are of largest size known in dahlias being 18 inches in circumference and of most beautiful form, petals being rolled up so that they overlap each other. Color pure snow white, slightly tinged with delicate pink at center. No other variety equal to it in size or beauty. Each 25c, 3 for 65c.

Nymphæa.—There is not a dahlia in existence exceeding this one in decorative value. Color is a distinct, clear, light pink, shading darker toward the outer petals. Inner petals nearly white. Exquisite finish; soft, waxy, delicate and graceful; quite fragrant. Each 15c, 3 for 40c.

King of Fancies.—Hundreds of persons were delighted with this elegant new variety which has been well named King of Fancies, as it is truly a fancy flowered sort of striking beauty. Color is almost indescribable, being most elegantly marked, striped, and blotched with crimson, scarlet, pink, etc., on a pure white ground; variable. Each 25c, 3 for 60c.

20th Century.—One of the beautiful orchid flowering single varieties of immense size, blooms ranging from 4½ to 7 inches in diameter. The color is of intense rosy crimson, with a white tipping and a white disk around the center, thus making a strikingly beautiful flower. Each 30c.

Red Hussar.—A grand new show variety of large size. Color purest cardinal red without traits of either purple or crimson. Plant is a vigorous grower, produces flowers on long stems. Each 20c.

Fancy Double Mixed.—The handsome tipped, striped, spotted and variegated sorts in a splendid mixture. Each 25c, doz. \$2.25.



GRAND DUKE ALEXIS.

- Lindhurst.**—A beautiful bright scarlet decorative dahlia. Each 15c, 3 for 40c.
Wm. Pierce.—Deep, rich yellow, free-flowering. Each 15c, 3 for 40c.
Ethel Vick.—Early blooming, shell pink variety. Handsome. Each 15c, 3 for 40c.
Golden Ball.—A most beautiful, large, pure deep yellow flower, shaded with old gold, perfectly double. No assortment is complete without this excellent variety. Each 20c, 3 for 50c.
Snowball.—Large, double, pure white, handsomest and best white. Each 2c, 3 for 50c.
Queen Victoria.—This has long been considered the finest deep yellow variety which we have. Plant a robust grower and so covered with flowers as to appear almost like a solid mass of golden yellow color. Blooms early, very freely and continuously. Each 15c, 3 for 40c.
Clifford W. Bruton.—A new show dahlia of greatest merit. Extra large flowers of a bright golden yellow, perfect in shape and form; very early. Each 20c, 3 for 50c.
Pink Mixed.—A nice mixture of the clear pink and flesh colored varieties which are now so popular. Each 15c, 3 for 40c.
Orange Queen.—One of the most striking decorative dahlias in our collection. Color is a peculiar shade of orange vermillion. Plant is a large vigorous grower and blooms early and constantly. Each 25c, 3 for 60c.
Black Prince.—Very dark crimson, shaded black. Each 20c, 3 for 50c.
Cactus Dahlias.—Mixed varieties. Each 15c, dozen \$1.50.
Fern Leaf Beauty.—This grand novelty has fern-like foliage and flowers of creamy white with a distinct marking of bright crimson on each petal. Each 20c, 3 for 60c.
Single Dahlias.—Many people prefer these to the double varieties, because of their grace, freedom of bloom, adaptability for bouquets, decorations, etc. Mixed colors; each 15c; 3 for 40c.
Double Mixed Varieties.—Contains a good proportion of best scarlet, yellow and white varieties, besides many other shades which are popular. Each 10c, doz. \$1.00.

CHOICE GLADIOLUS.

These are a specialty with us, and our fields devoted to them make a most magnificent sight each year appearing at a distance a mass of bright colors. It is the most desirable of all bulbs, and claimed by many who are well acquainted with their varied beauty to be the flower of flowers.

Royal Queen.—One of the finest and largest flowering varieties of gladiolus ever introduced. The flower spike is very long and well filled out on all sides. The flowers are of a clear, pearly whiteground, striped and splashed with a rich carmine, shading to a rosy purple, most beautifully blotched and marbled, and of a delicate velvety texture. Each 15c, 3 for 40 cts.

Perfection.—A seedling of the Royal Queen, very much like its parent, but flower is more perfect, has longer spikes, brighter and clear color. Frequently two feet of the spikes are covered with flowers at one time, there being from 12 to 18 wide open flowers. The ground color is very nearly pure white, beautifully flaked and striped with bright rich crimson. Each 25 cts., 3 for 60 cts.

American Banner, or Tri-Color.—The ground color is white, striped with bright red, and spotted with violet blue on the lower petals. A curious combination of colors which has given it its name. A charming novelty. Try the American Banner. Price 20 cts. each, 3 for 50 cts.

African.—Darkest crimson-black, with a pure white blotch in the throat. Each 10 cts., dozen 90 cts.

Branchleyensis.—Deep vermillion scarlet. Each 4 cts., dozen 40 cts.

Eugene Souchet.—Bright rose color, with a large white blotch and stripes. Each 5 cts., dozen 50 cts.

Isaac Buchanan.—Best of yellow varieties. Each 5 cts., dozen 50 cts.

Marie Lemoine.—Pale cream color, flushed salmon lilac, lower divisions spotted purplish violet. Each 10 cts., dozen 90 cts.



GLADIOLUS.



FERN LEAF BEAUTY DAHLIA.

Meyerbeer.—Rose scarlet with red blotch. Each 10 cts., dozen \$1.00.

Norma.—Nearly pure white. Each 7 cts., doz. 65c.

Mt. Pelee.—A grand novelty, and the best bright red. The spikes are unusually large and filled with immense flowers. The flower is of the most intense flame red color. Each 15 cts., dozen \$1.25.

Ceres.—Beautiful blush white, marbled and striped with rosy carmine. Each 5 cts., dozen 50 cts.

Salmon Pink.—Pure salmon pink color. Each 5 cts., dozen 50 cts.

Groff's Hybrids Mixed.—The floral papers have been full of the praise of this new class of gladiolus. All colors mixed. Each 10 cts., dozen 85 cts.

Lemoine Mixed.—Often called Butterfly Gladiolus. These have odd and fantastic markings and resemble the Orchids. Each 6 cts., dozen 60 cts.

Pink, Striped and Variegated Varieties Mixed.—Each 5c, doz. 40c. 2nd size, dozen 25c.

Red Varieties Mixed.—Each 5 cts., doz. 40 cts. Second size, doz. 25 cts.

White and Light Varieties Mixed.—Each 5 cts., doz. 50 cts. Second size, doz. 30 cts.

Choicest Mixture.—Made up mainly from best named sorts. Will please every one. Large bulbs, each 5 cts., doz. 50 cts.; 100 for \$3.00. Second size, each 3 cts., dozen 25 cts. 100 for \$1.75 postpaid.

Fine Mixed.—Nice assortment. Each 4 cts., dozen 35 cts. Second size dozen 20 cts. 100 for \$1.25.

Yellow Varieties Mixed.—Each 5 cts. doz. 50 cts. Second size, doz. 40 cts.

EXTRA CHOICE GLADIOLUS SEED, BLOOMS SECOND YEAR, 8 CENTS PER PACKET MIXED.



CALADIUM ESCULENTUM.

CALADIUM. Esculentum.—(Elephant's Ear.)—A splendid tropical plant, growing 4 to 5 feet with immense leaves, beautifully veined and variegated with different shades of green. Very showy leaves, often growing three feet long. Of easy culture. Medium sized bulbs 10c, 3 for 25c; large bulbs 20c, 3 for 50c; mammoth 35c, 3 for \$1.00.

Fancy-Leaved.—These have in recent years, grown very rapidly in popular favor, not only for the decoration of the conservatory, greenhouse and window-boxes, but nearly all of the varieties succeed admirably if planted out of doors, when the ground has become warm, in partly shaded, sheltered borders. Leaves variegated red, yellow, white, brown, green, etc. Many choice varieties mixed; each 20c; dozen \$2.00.

Giant Flowering.—A mammoth variety, growing 7 to 10 feet high and having leaves sometimes 4 or 5 feet long and 2 feet wide, of a glossy bright green color, shining as if varnished. The flowers are of large size, pure white, and resemble a Calla Lily. Each 25c.

RESURRECTION PLANT.—A curiosity, sure to interest the children. Looks like a ball of dried moss, but when dropped into bowl of tepid water, it quickly opens out into a beautiful, fern-like plant. Each 10c, 3 for 25c.

CHINESE SACRED LILY.—Very handsome. The flower is white, with a yellow tinted cup. The bulbs are large with from three to six various sized offsets, and nearly every offset bears a flower stalk. Usually grown in a bowl of water. We can furnish them till the last of March, when the supply is usually exhausted, and we do not have more until fall. Each 15c.

TUBEROSES.—New Excelsior Pearl.—The tuberose is justly a universal favorite and very easily grown. The New Excelsior Pearl Tuberoses have been selected with great care and are superior to the ordinary Pearl tuberoses. This variety is characterized by its short, robust stem and long spikes of large flowers which are perfectly double and twice the size of the common Tuberose, while of equally delicious fragrance. Spikes frequently bear 30 to 50 flowers, remaining in bloom for a long time. They are always wax-like, pure white, and unsurpassed for button-hole bouquets. You will be greatly pleased with them. Choicest, large bulbs each 5c; doz. 40c, 100 for \$2.65, postpaid.

Variegated Leaved.—Leaves are bordered with creamy white; flowers single but very large and of exquisite fragrance. Bulbs continue to grow and bloom year after year. Each 5c, doz. 45c.

HYACINTHUS CANDICANS.—Has a stem 3 or 4 feet high, which bears quantities of drooping, ivory white, bell-shaped flowers of delicate fragrance. Appear like Giant Snowdrops. Each 5 cts; doz. 50 cts.



HYACINTHUS CANDICANS.



EXCELSIOR PEARL TUBEROSE

MADERIA VINE.—Also called Michonette Vine and Mexican Vine. A beautiful tuberous-rooted climber, with glossy green leaves and handsome racemes of fragrant white flowers. The vine makes a very rapid growth, and a few plants will cover a trellis or cottage wall in a single season. It is a very pretty thing to use for shading a porch or veranda. Each 5c; doz. 45c.

TREE ROSES.—Sturdy, upright little trees, 4 to 5 ft. high, bearing an abundance of beautiful double roses, either red, pink or crimson. Each \$1.25, nos prepaid.



DESIRABLE PLANTS.

Crowded out of Plant Pages.

LONICERA KURTZWELII.

A new purple leaved variety of Honeysuckle which originated with Mr. M. Kurtzweil. It is a sport of the popular Hall's Japan, but is radically different from all other varieties. Has dark purple leaves thickly set on the strong vines. Is a vigorous, tall-growing sort attaining a great height the first season. The large clusters of flowers are produced in profusion and are a charming combination of clear pink

and dark red. It is a most desirable vine for porches, arbors, trellises, etc., and a striking novelty which is sure to attract much attention. Each 20c; extra large plants 50c.

DOUBLE BUTTERCUP.

A dainty little novelty. The flower is from one-half to three-fourths inches in diameter, perfectly double and of a peculiarly shining bright yellow color giving it almost an appearance as though varnished. Blossoms are produced in the greatest profusion and ladies as well as children go into ecstasies over them. Each 10c; per doz. \$1.00.

ELECTRIC LIGHT PLANT.

A very showy plant belonging to the Cleome family which blooms constantly from July until killing frosts in October or November. Is very desirable either for specimen plants or bedding. Grows four to six feet high and makes a large branching tree-like plant, each branch being tipped with bloom. Each 10c, doz. 90c.

ELEAGNUS LONGIPES.

A very desirable, nearly evergreen shrub; the branches are thickly studded with tiny brown dots or scales, giving a rusty appearance, contrasting strikingly with the light hue of the foliage which is silvered on under surface with little white scales. The crop of orange-colored fruit is dotted with small ferruginous specks. Each 20c.



GIANT FLOWERING CALADIUM.

TIGRIDIAS.—Peacock or Shell Flower—Handsome summer flowering bulbs, producing large, gorgeous flowers; they flower freely throughout the summer. They are of various colors, red, white, yellow, etc., handsomely spotted. Each 5c, doz. 50c.

OXALIS.—Shamrock.—Fine for edging beds, borders, etc. Plant 3 or 4 inches apart and they produce an unbroken border. Leaves resemble four-leaved clover; flowers rose color and borne in profusion on vine like stems, which make them suitable for cutting for bouquets as well as pretty for borders. Doz. 10c; 100 for 60c.

Dieppi Alba.—Pretty, low-growing variety with light green leaves and clusters of pure white bell-shaped flowers and blooms profusely. Dozen 10c; 100 for 40c.

Lasandria.—Large, dark green, palmate or five fingered leaves, with clusters of rosy pink flowers. This is taller than Dieppi. Dozen 10 cents, 100 for 50 cents.

GLOXINIA.—Giant Flowered.—One of the most beautiful flowers and one which is very satisfactory. Has large trumpet shaped blossoms of various colors, crimson, rose, scarlet, purple, white, etc., exquisitely tinted or spotted with miniature dots of a contrasting color. Easily grown in pots in any warm sheltered situation. Each 15c; doz. \$1.50.



MADERIA VINE

IDEAL FEVERFEW.

This new variety is a seedling which originated on our place and is far superior to the older sorts. It is a vigorous strong growing plant bearing large clusters of unusually large flowers, which are pure snowy white without any yellow shading or center. Each 15 cts, doz. \$1.25.

GLOIRE DE LORRAINE BEGONIA.

The greatest of all Begonias. Grows from 10 to 12 inches high. Throughout the entire Winter completely hidden with soft, rosy-pink flowers. This is one of the great plant novelties, specimen plants selling from \$1.00 to \$2.00 each. Strong plants, 30 cts. each.

CAPE MYRTLE.

A very pretty shrub which is hardy in the south but is usually grown in large pots or tubs in this latitude so that it can be taken into a cellar in the winter. Specimens 6 to 8 feet high can be produced with little difficulty, and which for two or three months in the summer will be covered with delicate soft pink flowers. Each 20c.

CINERARIA.

Magnificent flowering plants in winter and spring for windows and conservatories. The flowers of this large flowering type measure two inches across, are of white, blue, violet, crimson, etc., covering the plant with a sheet of bloom. Each 15c.

FLOWER SEEDS.

Our floral beauties come in for their full share of attention, and aside from our seed farm, we have twelve acres of land right in the city, convenient to the street cars, devoted exclusively to flowers. Here we grow thousands of varieties and have in our employ experienced specialists in this line, who, under our supervision, attended to growing whatever can be grown to advantage in this country, test all novelties offered in this country or Europe, and are constantly trying by selection and hybridization, to improve the leading varieties, and make our Choice Iowa Flower Seeds just what we are striving for—the best in the world. We invite all our Customers to call and see this Floral Exhibition whenever they are in the city. Even during the winter the large greenhouses on these grounds are a revelation of beauty which surprises every one. Don't fail to notice also the novelties listed on the colored pages of this book.

Our flower seeds are all fresh and we know they are unsurpassed. Quality is always the first consideration. Our mixtures are mainly made up by ourselves from named varieties, or from growing a large number of the best named varieties together, and will yield a better assortment than is commonly found. This year we list all the varieties alphabetically together—annuals, perennials, climbers, etc., but we mention in the description the class they belong to if they are not annuals. This will make it easier to find any sort named.

DIRECTIONS FOR SOWING, ETC.—To insure success the conditions and require ments of the several species as to soil, moisture, heat, etc., should be studied and then observed in culture. Below we give a few general directions for their culture, though more complete directions will be found printed on the seed packets. The soil best adapted to most flowers is light, rich loam, containing enough sand to make it porous. If there is some clay with it the colors will be brighter. Make the surface as smooth and fine as possible, sow seeds in rows, covering each sort of seed in proportion to its size (a good general rule being to cover twice the diameter of the seed) and press the soil down firmly over it. Do not plant any seeds when the ground is wet. Many varieties, such as pansy, verbenas, daisy, hollyhock and the fine greenhouse plant seeds, should be sown early in shallow boxes in the house, in soil consisting of equal parts of fine sand and rich, mellow loam, well mixed together and sifted to remove all gravel and lumps. Sow as be- fore directed. Covering the box with glass helps to retain the moisture and keeps the temperature even. Be careful not to keep them too wet, and when they are large enough to handle, transplant to boxes from 1 to 2 inches apart, to remain until time to transplant to permanent beds.

DISCOUNTS.—In spite of our very low prices by the packet, we still offer flower seeds in packets only, to the amount of \$1.25 for \$1.00. This discount does not apply to collections of seeds, nor to seeds by weight or measure. All flower seeds: re sent free by mail on receipt of price.

ARABIS.—*Alpina.*—Early bloom- ing, useful for rock work. Flowers pure white. Hardy perennial. Pkt. 10c.

ASTERS.—The numerous forms of the aster, and the now great variety of rich colors of its perfectly double flowers make it a leading favorite. For a summer and fall display it has no equal. Sow seed early and give deep, rich soil, plenty of mulching.

Snowball.—Flowers are of re- fined and faultless form; pure white; beautifully imbricated and freely pro- duced, 80 flowers being frequently borne on a single plant. Pkt. 15c.

Perfection Mixed.—(*Truffant's Improved Paeony Flowered.*)—A fa- vorite, flowers large and almost per- fectly round, incurved petals; height 18 inches to 2 feet. Pkt. 5c.

Crown.—Center of each flower is white, surrounded by a broad mar- gin of color, such as crimson, rose, violet, etc.; flowers large, beautiful and showy; mixed colors. Pkt. 5c.

Giant Comet Mixed.—The flow- ers are from 3 1/4 to 4 1/4 inches in di- ameter, perfectly double, many hand- some colors mixed. Pkt. 10c.

Golden Ball.—The long-sought novelty—a yellow aster. Pkt. 10c.

Victoria.—A magnificent sort, 20 inches high; free bloomer; large; brilliant colors mixed. Pkt. 10c.

Dwarf Bouquet.—Very fine. Each plant forms a bouquet. Pkt. 5c.

Single Flowering Mixed.—Bearing mass of star-shaped flowers. Pkt. 5c.

Washington.—Largest in cultivation, flowers often 5 in. across, mixed colors. Pkt. 10c.

Harrisquin.—Oddly spotted and striped very double flowers of red and blue. Pkt. 10c.

Christmas Tree.—One of the n. st popular European novelties; of pyramidal shape, usually covered with 70 to 100 flowers. Mixed colors. Pkt. 10c.

Simple's Branching.—Useful for cut flowers. The flowers are very large and double, borne on large, stiff stems and colors are clear and handsome. Mixed colors. Pkt. 5c.

Daybreak.—A beautiful aster, round as a ball, color sea-shell pink, very early. Pkt. 10c.

Betteridge's Quilled.—Perfectly double tube or quill-shaped petals; valuable for bouquets and bedding. Mixed colors. Pkt. 3c.

All Kinds Mixed.—Pkt. 5c.

Royal Mixed.—A very choice selection of all the best sorts. No second grades. Pkt. 10c.

Perennial Mixed.—Single flowering, hardy, herbaceous plants. If sown early will flower first season. Pkt. 5c.

ANTIRRHINUM.—(*Snapdragon.*)—One of the most beau- tiful and useful border plants, blooming profusely the first sea- son from seed, until after frost.

Giant Flowered.—A most beautiful new class having all the finest colors and markings known in the old varieties and several new ones. The flowers are of immense size and pro- duced in long spikes which follow each other in a constant suc- cession of bloom. It is a perpetual bloomer, sending up flower spikes by the dozen, one to two feet in length, almost as large and beautiful as gladiolus. Pkt. 10 cts.

Mixed Varieties.—The older sorts. Pkt. 3c.

AMOBIMUM.—*Alatum Grandiflorum.*—Very hardy, ever- lasting, double white flowers. Useful for bouquets. Pkt. 4c.

AGERATUM.—*Mexicanum.*—Desirable for bouquets; produces many blue flowers and blooms a long time; largely used by florists; start seeds early. Pkt. 4c.

Albidiflorum.—Like above only white. Pkt. 8c.

ABRONIA.—*Umbellata.*—Trailing habit similar to verbenas, bearing clusters of sweet-scented flowers. Ef- fective for bedding in masses, and very desirable for rockwork and hanging baskets. Rose color. Pkt. 3c.

BALSAM.—One of the most beautiful of our an- nuals. The flowers are most brilliantly colored, very large and double as the rose, very striking in their rich coloring, ranging from white to dark crimson.

Peerless Mixed.—This new mixture is made up from the best foreign and American strains and their beauty is truly marvelous. Flowers are double and of all known colors, plants are loaded with hundreds of flowers. Pkt. 10c.

Camellia-Flowered Mixed.—Very double, of un- usual size, perfect shape, and our mixture contains all the best colors. You will be pleased with it. Pkt. 5c.

All Varieties Mixed.—A nice mixture of the older sorts. Pkt. 4c., oz. 25c.



ANTIRRHINUM.



SNOWBALL ASTER.



PEERLESS MIXED BALSAMS.

YOU WILL BE INTERESTED IN THE FLOWER PLANT DEPARTMENT.

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VILLIAMS & BROTHERS
1895



GIANT EMPRESS CANDYTUFT.

CANDYTUFT.—Considered indispensable for cutting and looks best in beds or masses; hardy, easy to cultivate, and blooms profusely; one foot in height. **Giant Empress**.—One of the finest varieties in cultivation, of very branching habit, and when fully grown and covered with its pure white flowers resembles a floral candelabra. Pkt. 7c.

Snow Queen.—An extra fine dwarf pure white variety, grows rapidly, remaining in full flower for about three months. Pkt. 5c.

Best Mixed.—A mixture of all varieties and colors. Pkt. 3c, oz. 40c.

Semper Virens.—Profuse white blooming perennial adapted for rockeries, baskets, etc. Flowers early. Pkt. 10c.

CANARY BIRD FLOWER.—One of the most beautiful climbers with delicate finely cut foliage and curious bright yellow flowers resembling the canary bird in shape and color. Pkt. 5c.

CACALIA.—*Coccinea*.—A handsome free flowering little plant; owing to the peculiar form of the flower it is sometimes called Tassel Flower or Flora's Paint Brush. Scarlet. Pkt. 5c.

CANNA.—Unquestionably one of the finest of bedding plants. Their handsome leaves combined with their varied and richly colored flowers have an extremely fine effect. Seeds should be soaked in hot water for several hours.

Fancy Large Flowered.—This is a very large flowering strain of dwarf, compact growth. They flower freely and the first year from seed. Our seed is a mixture of the finest. Pkt. 5c, oz. 25c.

CARNATION.—The finest of the dianthus or pink family; very fragrant. Our seed is unsurpassed.

Double Extra Mixed.—Best greenhouse varieties. Pkt. 10c

Marguerite.—These lovely, fragrant flowers are in full bloom in about



MARGUERITE CARNATIONS.

ALYSSUM.—*Sweet*.—Pretty little white flowers, useful for bouquets and borders. Pkt. 5c.

Little Gem.—Very dwarf and compact making a mass of white flowers. Pkt. 5c.

ASPERULA.—*Azorea Setosa*.—Light blue fragrant flowers. Pkt. 5c.

AMOBIMUM.—*Alatum Grandiflorum*.—A pretty, everlasting, double white flower. Pkt. 4c.

AMPELOPSIS.—*Veitchii*.—(*Boston Ivy*) Pkt. 5c.

ACROCLINIUM.—*Mixed Colors*.—An everlasting bearing large double flowers. Pkt. 3c.

ABUTILON.—*Mixed Colors*.—Beautiful bell-shaped flowers of various colors. Pkt. 10c.

ADLUMIA.—*Cirrhusa*.—A hardy perennial vine with fern-like foliage and pretty, flesh-colored blossoms. Pkt. 10c.

AQUILEGIA.—*Chrysantha*.—(*Columbine*)—A hardy perennial; large, beautiful, canary yellow flowers. Pkt. 5c.

Coerulea.—Violet blue and white. Pkt. 7c.

Double Mixed.—Pkt. 5c.

AGROSTEMMA.—*Coeli Rosa*.—Deep rose color. Fine for bouquets. Pkt. 5c.

Alba.—White; fine for cemetery. Pkt. 5c.

AMARANTHUS.—A handsome foliaged plant of many colors.

Tricolor.—Leaves yellow, red and green; well known as "Joseph's Coat." Pkt. 3c.

Salicifolius.—Known as "Fountain Plant." Pkt. 7c.

Caudatus.—(*Love Lies Bleeding*) Producing long, drooping chains of brilliantly colored flowers. Pkt. 5c.

Mixed Varieties.—Pkt. 5c.

CLARKIA.—*Mixed Colors*.—Blooms freely during the summer. Pkt. 3c.

CONVOLVULUS.—*Minor*.—(*Dwarf Morning Glory*) Showy flowers for bedding. Free bloom. Pkt. 5c.



NEW FANCY CANNA.

four months after sowing the seed. The plants succeed alike in the open garden or in pots. The flowers are of high type, exquisitely sweet, fully 80 per cent perfectly double. The range of color, marking, variegations and shadings are wonderful. Pkt. 5c.

CALLIOPSIS OR COREOPSIS.—*Golden Wave*.—Plant very bushy and compact, reaching two feet in height, and covered from July to October with hundreds of beautiful golden blossoms, two inches in diameter with small dark centers. It is indeed a wave of gold. Pkt. 8c.

New Double.—A charming novelty, blooms freely and will please everyone. Pkt. 10c.

Lanceolata.—*New Golden Coreopsis*.—One of the most showy hardy perennials grown, forming tall plants two or three feet high, and bearing in great profusion large flowers of golden yellow. Pkt. 10c.

Mixed Colors.—Produces flowers in nearly every shade of yellow, orange, crimson, red, brown. Pkt. 5c.

CHRYSANTHEMUMS.—The Annual Chrysanthemums listed below are altogether different from the large-flowered perennial varieties grown by florists.

Chameleon.—New and distinct annual variety producing large, single flowers, beautifully circled with purple, black, crimson, yellow and copper. Pkt. 8c.

Double Annual.—A valuable and most unique novelty. A great variety of colors, markings and pencillings. Very double, semi-double or single, but these are almost equally charming. Pkt. 5c.

Perennial Mixed.—The popular greenhouse variety. Very showy and desirable for fall and early winter blooming. Sow seeds early. Pkt. 10c.



EARLY DAWN COSMOS.

COSMOS.—*Early Dawn Mixed*. Introduced by us several years ago, and it jumped at once into popularity on account of its extreme earliness. The plants have fine, feathery, light green foliage and delicate rose, purple, white and lilac flowers. Free bloomer of easiest culture. Mixed colors. Pkt. 5c.

Mammoth Perfection.—Flowers double the size of the old large flowering cosmos, measuring 12 to 15 inches in circumference; flowers white, pink or crimson. Seed should be sown early in the house, as they are quite late. Pkt. 7c.

BEGONIA.—Seeds very small, almost microscopic and should be sown on top of the soil. Cover box with glass; give partial shade until up.

Vernon.—Fine for outdoor bedding. Pkt. 10c.

Bex.—The king of begonias. Pkt. 25c.

Tuberous Rooted.—Summer bedding. Pkt. 15c.

Mixed Varieties.—Pkt. 15c.

CINERARIA.—*Large Flowering Mixed*.—Very showy plants for pot culture. Pkt. 15c.

COLEUS.—*Rainbow Mixed*.—The most popular of foliage plants; the finest sort. Pkt. 15c.

Fine Mixed.—Many varieties. Pkt. 10c.

CYPRESS VINE.—A beautiful rapid climber with delicate, dark green foliage, and an abundance of star-shaped scarlet and white blossoms.

Scarlet.—Very bright. Pkt. 5c.

White.—Pretty in contrast with scarlet. Pkt. 5c.

Mixed Colors.—The above mixed. Pkt. 3c, oz. 80c.

New Ivy-Leaved.—Entirely distinct from all other varieties, both in flowers and foliage. The ivy-like leaves make a dense screen from which the pretty fiery, orange-scarlet flowers stand out in countless numbers. Pkt. 7c.

CELOSIA.—*Giant Empress*.—Very handsome for pot plants or specimen plants in beds, where they excite the curiosity of visitors more than any plant that can be grown. Measures over 12 inches in breadth; very bright purple combs and dark bronze foliage.

Ostrich Feather.—Crimson. Pkt. 11c.

All Varieties Mixed.—Pkt. 5c.



CALLIOPSIS, GOLDEN WAVE.



NEW DOUBLE FIREBALL DIANTHUS.

BRYONOPSIS.—Beautiful summer climber with palmate leaves; yellow flowers, followed by pretty, cherry-like, green fruits, which change to bright scarlet marbled with white. Pkt. 5c.

CALENDULA.—Fine Mixed.—Belongs to the well known marigold family. Many nice varieties and when planted together make a showy bed. Pkt. 3c.

COBCEA SCANDENS.—Magnificent climber, of rapid growth and beautiful blue flowers. The seed should be planted edgewise. Pkt. 10c.

DAHLIAS.—New Tom Thumb.—Showy single flowers of many colors. Pkt. 7c.

Double Mixed.—Our seed is of the finest strain, and produces magnificent, large, very double flowers of the richest shades. If the seed is sown early in the spring they will bloom first year. Pkt. 8c.

DOLICHOS.—(Hyacinth Bean).—Mixed Colors.—A rapid-growing annual climber, flowering freely in clusters, followed by ornamental pods. Fine for arbors or porches. Pkt. 5c.

Princess Helene.—A beautiful white, sweet scented variety. Pkt. 10c.

DELPHINIUM.—(Perennial Larkspur).—Mixed Colors.—One of our most showy and useful plants, producing splendid spikes of flowers in profusion throughout the summer. If sown early they bloom the first year from seed; hardy perennials. Pkt. 5c.

ESCHSCHOLTZIA.—(California Poppy).—Single Mixed.—Showy summer flowering plants; large saucer-shaped flowers of striking brilliancy in the sunlight. Mixed colors. Pkt. 4c.

Golden West.—A giant flower from 3½ to 6 inches across, of a rich golden yellow color. Pkt. 10c.

Double Mixed.—Pretty. Pkt. 5c.

FREESIA.—Refracta Alba.—Bears peculiar clusters of white flowers of the most delicious fragrance. Start seeds early, bulbs dry off in summer. Start them growing in the house in October and you will be pleased with them. Pkt. 10c.

FOX-GLOVE.—(Digitalis).—Showy for back grounds and borders, and are very beautiful; mixed colors. Pkt. 3c.

FEVERFEW.—Free-flowering plants, succeeding in any garden soil; a fine bedding plant or for pot culture; blooms until frost. Double-white flowers. Pkt. 5c.

GLADIOLUS.—A well known flower, easily grown from seed, blooming the second year. Pkt. 8c.

GAILARDIA.—Perfection.—Improved sort, producing very double flowers, round as a perfect ball, in most varied and pleasing colors. Pkt. 5c.

Grandiflora.—Splendid new perennial varieties, with very large flowers, dark crimson centers, marked with rings of many brilliant colors. Pkt. 10c.



EUPHORBIA (VARIEGATA), cate flowers, white, blue, lilac and rose. Mixed colors. Pkt. 5c.

vorite garden annual, flowering freely in almost any situation. Mixed colors. Pkt. 8c.

Cyanus Double.—A most charming sport from the above. Flowers very large and globular. Continuous bloomer. Pkt. 8c.

Marguerite.—This is one of the handsomest novelties ever brought out. The large flowers are of the purest white, deliciously scented, exquisitely lacinated, freely produced. Pkt. 10c.

Gymnocarpa.—Foliage finely cut and silvery. It is perhaps the best white leaved plant for bedding purposes. Pkt. 5c.

EUPHORBIA.—Variegata.—Strong, tall growing annuals; the flowers are inconspicuous, the foliage however, is ornamental, veined and margined with white. Pkt. 5c.

Heterophylla.—Of branching bush-like form, with smooth, glossy-green leaves which, about mid-summer, become a beautiful orange scarlet, presenting a striking and brilliant appearance. Pkt. 10c.

GRASS PINKS.—The hardy and pretty clove-scented flowers which were so much loved by our grandmothers. The flowers range from pure white to pink. A hardy perennial. Pkt. 5c.

GLIA.—Finely cut foliage and clusters of small and delicate flowers, white, blue, lilac and rose. Mixed colors. Pkt. 5c.

BALLOON VINE.—A pretty, rapid growing climber, succeeding best in a warm situation. Flowers white. Pkt. 5c.

BROWALLIA.—Mammoth.—This new sort is without doubt the most beautiful of all the Browallas, covered with an abundance of delightful large sky blue flowers. Pkt. 10c.

BRACHYCOME.—Mixed Colors.—Pretty low-growing plants, covered in summer with a profusion of cineraria-like blue and white flowers. Half hardy. Pkt. 5c.

CAMPANULA.—An old favorite perennial, bearing an abundance of handsome flowers which almost hide the plant.

Cup and Saucer.—A beautiful variety. The bell is nearly four inches in diameter, presenting the form of a saucer, hence its name. Mixed colors. Pkt. 10c.

Canterbury Bells.—Popular variety. Double and single mixed. Pkt. 5c.

Mixed Varieties.—Choice mixture of all the best double and single varieties, suited for growing together. Pkt. 5c.

DATURA.—Cornucopia.—A showy tropical appearing plant. Flowers 8 inches long by 5 inches across the mouth; fragrant. Pkt. 10c.

Double Mixed.—Pkt. 5c.

DAISIES.—Giant Snowball.—Unusually large double flowers. Pure white. Pkt. 10c.

Best Double Mixed.—Pkt. 5c.

DIANTHUS.—The Dianthus, or Chinese Pink has long been a great garden favorite. It is in fact, one of our most useful plants, furnishing abundance of gay, pretty flowers. Plants from seed grow and bloom very quickly.

Fireball.—A beautiful, very dwarf and compact growing pink, only 10 to 15 inches high. Flowers are perfectly double, and color a rich, velvety blood red. The plants begin to flower shortly after they are up, and bloom profusely all summer and fall. Pkt. 10c.

Snowball.—A fit companion to the above. Flowers large, pure white, double, finely fringed and of perfect form. Pkt. 8c.

Crown.—The flowers averaging six inches in circumference, are densely double and are produced in succession during the whole summer. Colors from purest satiny white to red shades so deep and brilliant the eye can scarcely penetrate their velvety depths. Pkt. 8c.

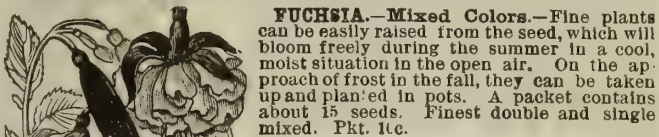
Mourning Cloak.—Very dark mahogany color, almost black, each petal edged with a margin of pure white. Pkt. 5c.

Single Heddewigi.—Finest selected single mixed. One of the most showy of the pink family. Pkt. 5c.

Double Diadem Pink.—Superb large double flower. Hieroglyphically marked, like the original Chinese pinks, in the middle down to base of each petal, magnificent in color and variety. Pkt. 7c.

Chinensis.—(Double Chinese Pink).—Finest double mixed. Pkt. 3c.

Mixed Varieties and Colors.—Pkt. 5c.



FUCHSIA.

FUCHSIA.—Mixed Colors.—Fine plants can be easily raised from the seed, which will bloom freely during the summer in a cool, moist situation in the open air. On the approach of frost in the fall, they can be taken up and planted in pots. A packet contains about 15 seeds. Finest double and single mixed. Pkt. 10c.

FEENS.—Can be grown from the spores, or seed, by sowing in a very moist place under glass. Pkt. 15c.

GLOXINIAS.—Charming greenhouse plants, of dwarf habit. Their flowers are produced in greatest profusion, and of the most exquisite and gorgeous colors. Seed should be started under glass. Extra choice mixed. Pkt. 25c.

GYPHOPHILA.—Delicately pretty little flowers, sometimes called "Baby's Breath" or "Angel's Breath." Graceful and easily grown. Pkt. 5c.

GLOBE AMARANTH.—(Gomphrena).—Mixed Colors.—Popularly known as "Bachelor's Buttons," handsome, globular heads of flowers, which if cut when well matured, will retain their beauty through the winter; colors purple, white, flesh colored, orange and striped. Pkt. 5c.

CURIOUS CACTI.—The seed we furnish is collected from the choicest varieties. Easily grown from seed planted in a box of clean sand. Pkt. 10c.

CENTAUREA.—Cyanus.—Called the Ragged Sailor, Corn Flower, Blue Bottle, Bachelor's Buttons and Blue; very old fashioned.



Grass Pink.

SET OUT A STRAWBERRY BED THIS YEAR. OUR PLANTS ARE EXTRA STRONG AND VIGOROUS.



GERANIUM.

Allegheny Mammoth Fringed.—An entirely new and distinct variety which has attracted great attention. Flowers single, semi-double and double, of rich colors and fine form. Pkt. 10c.

HELICHRYSUM.—**Monster Mixed.**—A pretty and popular hardy annual, bearing large, double flowers of different shades and colors, ranging from white to yellow, rich red and scarlet. Best of the everlastings. Pkt. 5c.

HELIOTROPE.—**Mixed Varieties.**—A great favorite with all lovers of flowers for their beauty and fragrance. Pkt. 5c.

New Mammoth.—A grand new variety producing immense clusters of flowers. Pkt. 10c.

HUMULUS (Hop).—**New Japanese Variegated.**—Handsome and distinct climbing vine, valuable for trellis and high places. The leaves are strikingly variegated, bright, deep green, distinctly marked and blotched with silvery white tinged with yellow. Pkt. 10c.

HIBISCUS.—**Crimson Eye.**—Flowers of immense size, often measuring 20 inches in circumference, pure white, with a large spot of deep velvety crimson in the center. Blooms first year from seed in the open ground. Pkt. 10c.

Golden Bowl.—Produces enormous flowers 5 to 6 inches across, of canary color with large black center. Pkt. 5c.

GOLDEN ROD.—Although considered an objectionable weed on our western prairies, there is no denying the beauty of this flower. It has been adopted by New York as the state flower. Easily grown from seed. Pkt. 5c.

GOETIA.—**Mixed Varieties.**—Handsome and showy annuals about one foot high, of dwarf, compact growth, bearing freely large flowers 3 to 4 inches across, of exquisite color. Pkt. 5c.

Lady Satin Rose.—Brilliant deep rose pink, surface shines like satin. Pkt. 8c.

LEMON VERBENA.—Everybody knows the Lemon Verbena and all should have a few specimens of it, for its fragrant foliage is so fine to use in bouquets and floral work. Pkt. 10c.



ICE PLANT.

ICE PLANT.—A handsome and curious plant for hanging baskets, rock work and vases. The leaves and stems appear as though covered with icy crystals. The flower is white and pink. Pkt. 5c.

JOB'S TEARS.—An ornamental grass known botanically as *Colx Lacryma*. Grows two to three feet high with broad corn like leaves, hard shining pearly seeds. Pkt. 5c.

LINUM.—(*or Scarlet Flax.*)—One of the most showy annuals for flower beds and masses; brilliant, crimson scarlet flowers, one inch across, borne in wonderful profusion. Pkt. 5c.

LYCHNIS.—**Chalcedonica.**—A pretty plant with star-like blossoms covering the dwarf bushy plants. Perfectly hardy, and blooms better the second season than the first. Pkt. 5c.

Haageana, Mixed.—Brilliant, orange, scarlet, crimson, etc. Free flowering perennials. Pkt. 5c.

LOBELIA.—Handsome trailing plants; profuse bloomers; elegant for baskets, vases and borders. All sorts mixed. Pkt. 6c.

LANTANA.—**Mixed Colors.**—Greenhouse perennial; makes a ne bedding or pot plant; easily grown from seed. Pkt. 7c.

LUPINUS.—**Mixed Varieties.**—Strong growing garden annuals, with innumerable spikes of flowers of various colors. Pkt. 5c.

LARKSPUR.—**Dwarf German Rocket.**—An old and well known hardy annual. The flowers are borne in compact spikes, showy and desirable for any situation. Mixed colors. Pkt. 5c.

American Banner.—Plants grow to a height of about two feet, and are fairly loaded with long spikes of double striped and blotched flowers. Pkt. 10c.

Tall German Rocket.—Mixed colors. Pkt. 3c.

Perennial Mixed.—(*Delphinium.*) Pkt. 5c.

OXALIS.—**Choice Mixed.**—Free flowering little plants. Useful for edgings. Pkt. 5c.

GERANIUM.—These favorite plants are easily raised from seed, and will frequently reward the cultivator with charming new varieties. The plants from seed started early in the house, bloom the first summer in the garden. Packets contain about 40 seeds.

Choice Mixed.—Seed saved from nice varieties mixed. Try it. Pkt. 5c.

Good Venture.—A greatly improved strain of geranium seed grown by a specialist, which we are sure will delight anyone. Pkt. 15c.

GOURDS.—**Ornamental Mixed.**—A mixture of the odd shaped and fancy colored sorts. Contains some of the most popular and handsome foreign varieties. Pkt. 5c. oz. 30c.

HOLLYHOCK.—An old favorite. Start seed early in the house and they will bloom the first year.

Chater's Prize Double Mixed.—A magnificent double flower three to four inches across, and all of the brightest colors. A mixture of 17 prize varieties, including all colors and shades known. Pkt. 10c.

Fine Mixed.—Contains a good variety. Pkt. 5c.



HOLLYHOCK.



MORNING GLORIES.

Imperial Japanese.—Remarkable for the large size and exquisite new colors of the flowers, with magnificent foliage, often beautifully blotched. Of strong, robust growth. The vines grow quickly to a height of 12 to 20 feet. The flowers are of gigantic size, sometimes measuring four to five inches across. The colors of the flowers, shadings and markings are really wonders of nature, and of incomparable beauty. Double and single mixed. Pkt. 5c. oz. 25c.

Improved Climbing.—A great improvement on the old climbing morning glory. Of large size and great variety. Pkt. 5c. oz. 20c. 1 lb. 60c.

Fine Mixed.—A mixture of the old varieties. Pkt. 2c. oz. 10c. 1 lb. 20c. 1 lb. 60c.

Brazilian.—(*Ipomoea Setosa.*)—One of the grandest and most luxuriant plants ever grown, very showy and graceful, with rose-colored flowers from three to four inches in diameter, and a huge leaf ten to twelve inches across. Pkt. 10c.

New Double Flowering.—A splendid novelty of rapid growth, and produces its double flowers very freely. They are white with a slight spot of red or blue at the base of the larger petals. About 80 per cent of the seedlings will reproduce themselves true from seed. Pkt. 10c.

Dwarf.—See Convolvulus.

MIMULUS.—**Tigrinus.**—(*Monkey Flower.*)—Very showy and free flowering. The hardy kinds are well suited for outdoor culture. Any common soil suits. Mixed varieties. Pkt. 10c.

Moschatus.—The well-known musk-plant, quite pretty, and has a strong musk fragrance. A nice plant also for pot culture. Pkt. 5c.

MOONFLOWER.—**White.**—(*Ipomoea Grandiflora.*)—One of the grandest of summer climbers, growing twenty five to forty feet high, and covered nightly and on dull days with beautiful white and moon-like flowers from five to six inches in diameter. Has a rich jessamine-like odor. Pkt. of 10 seeds 7c.

Blue Flowering.—(*Ipomoea Leeri.*)—This distinct and charming novelty is valuable on account of being in beautiful and striking contrast with the true White Moon Flower. The color is exquisite, clear, satiny blue with well-defined crimson bars; distinct. Pkt. 10c.

MYOSOTIS, OR FORGET-ME-NOT.—**Palustris.**—The true Forget-Me-Not. A perennial. Blooms the first year from the seed. Pretty plants with neat little star-shaped blue flowers. Pkt. 7c.

Victoria.—A novelty and the best variety for pot culture. Dwarf, globular habit; beautiful sky-blue flowers with center double. Pkt. 7c.

MAURANDIA.—Delicate climber for windows or conservatories. Admirable to hang from vases. Pkt. 10c.

MARIGOLD.—**African.**—These fine old favorites have been greatly improved recently in size and doubleness of their flowers. Pkt. 8c.

Dwarf French Double.—Pkt. 3c.

Eiderado.—Immense flowers, 9 to 14 inches around; double; primrose, lemon, orange and golden shades. Three feet high. Pkt. 5c.



MOONFLOWER.

JAPANESE MORNING GLORIES



JAPANESE QUADRICOLOR MAIZE.

JAPANESE MAIZE.—*Quadricolor.*—An ornamental foliage plant of rapid growth, giving immediate effect and one which would be attractive in any garden. Grows 5 to 6 feet high and has alternate foliage, the leaves being very long and 2 to 3 inches wide. The variegation does not begin to show until the fourth or fifth leaf, when the leaves become striped with broad bands of white, changing soon to narrow stripes or ribbons of alternate clear white and brightest green, showing tinges of pink or rose color at the edges. Our illustration does not do it justice. Pkt. 5c, oz. 15c.

MIRABILIS.—(*Marvel of Peru, or Four o'Clock.*)—*Mixed Colors.*—This is one of the most showy annuals presenting a most gorgeous sight during the afternoon. Many colors. Pkt. 3c.

Tom Thumb Mixed.—Very handsome, compact, dwarf, bushy plants, with elegant golden-variegated foliage; numerous brilliant flowers, pure yellow, deep red, and striped and blotched. Pkt. 5c.

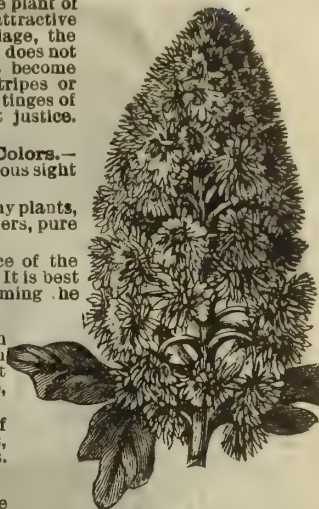
MIGNONETTE.—*Sweet Scented.*—The delicious fragrance of the Mignonette makes it indispensable for bouquets and cutting. It is best to sow seed early in the garden and they will commence blooming the first of June. Pkt. 2c; oz. 15c.

Allen's Defiance.—A remarkable and valuable variety with mammoth spikes 12 to 15 inches long, and more fragrant than any other variety. Florets are of immense size and the cut flower frequently keeps for three weeks, retaining its grace, beauty and fragrance. Pkt. 10c.

Machet.—Distinct sort of great merit. It is dwarf and of vigorous growth, and throws up numerous stout flower stalks, terminated by massive spikes of deliciously scented red flowers. Pkt. 6c.

NICOTIANA.—*Affinis.*—Of all varieties of tobacco which are grown for their sweet scented flowers this is the best. The plant is literally covered with large, white, star-shaped flowers, which, after being cut, will remain perfect for a week. Will perfume the whole yard or garden. Pkt. 5c.

Sylvestris.—This is one of the handsomest of ornamental plants. It grows from 4 to 6 feet high, is of beautiful pyramidal form. Foliage large and handsome. Flowers pure white, star shaped and produced with the greatest freedom and are sweet scented. Pkt. 10c.



MACHET MIGNONETTE.

NASTURTIUM.—These may well be classed among our most beautiful and showy annuals. They are of very easy culture, and make a continuous show of bloom. The following are the best varieties:

Aurora.—A magnificent variety of new color. The plant forms a perfect globe and is literally covered with flowers, completely hiding the foliage when in full bloom. The flower is of deep chrome yellow, the lower petals blotched with purplish carmine and beautifully marked with bright carmine veining. Pkt. 5c, oz. 15c.

Beauty.—An extra fine dwarf variety, having handsome scarlet flowers splashed with canary yellow. Pkt. 5c, oz. 10c.

Dwarf Chameleon.—The flowers of this new Tom Thumb nasturtium are in color crimson, gold and bronze, bordered and flamed, changing in hue almost daily, hence its name "Chameleon." No variety could be more satisfactory. Pkt. 5c, oz. 15c.

Cloth of Gold.—Foliage is of a clear, bright yellow color. The plant is of dwarf, compact habit; flowers scarlet. Pkt. 5c, oz. 10c.

Empress of India.—Of dwarf, bushy habit, the leaves of a dark, purplish blue color, making a suitable background for the brilliant scarlet-crimson flowers. Its profusion of bloom and richness of color are remarkable. Pkt. 5c, oz. 15c.

Ladybird.—Of dwarf, neat, compact habit of growth. Flowers rich golden yellow, each petal barred with ruby crimson. Pkt. 5c, oz. 10c.



TOM THUMB MIRABILIS.

King Theodore.—The darkest color in dwarf nasturtiums, deep scarlet maroon. Pkt. 5c, oz. 15c.

Pearl.—Charming dwarf white variety. Pkt. 5c, oz. 10c.

Dwarf Liliput.—A most charming and distinct new strain of very dwarf compact growth that originated from the tall *Tropaeolum Lobbianum*. Plants are of smaller size than the well-known *Tom Thumb Nasturtium*, growing in closely compact form, while the flowers and rounded light-green leaves are also smaller in size. The perfect flowers are so numerous that they come through the foliage in clusters, embracing many new and beautiful colorings. Pkt. 10c.

Imperial Mixed.—Includes about twenty of the dwarf varieties, selected from both American and foreign growers. The varieties are so selected that the colors harmonize beautifully and delight flower lovers, as they are of neat, compact habit of growth, and bloom freely when planted in beds, producing a mass of colors. Pkt. 5c, oz. 15c, ¼ lb. 50c.

Dwarf Varieties Mixed.—A nice mixture of colors of this free blooming class. Each plant forms a small compact bush laden with bloom. Owing to the immense quantity we grow of this we are enabled to make a low price. Pkt. 3c, oz. 10c, ¼ lb. 20c, lb. 65c.

OENOTHERA.—(*Evening Primrose.*)—*Mixed Colors.*—Blossoms fully expand only towards and during evening. Three to four inches across. Hardy annual. Mixed white and yellow. Pkt. 5c.

NIGELLA.—(*Love in the Mist.*)—Hardy annuals, about one foot in height, finely cut leaves and handsome flowers. Blooms early. A very pretty flower, and one our customers should try. Double flower, blue, white and purple, beautifully veiled and feathery, delicate appearing foliage. Pkt. 4c.

CLIMBING NASTURTIUM.—*Caprice.*—A charming novelty with flowers of changeable colors. A single plant frequently showing a dozen different colors or markings. Pkt. 10c, oz. 35c.

Madam Gunter's Hybrids.—For richness and variety of color these new hybrids have no equals among the nasturtiums. The foliage is mostly dark and contrasts very effectively with the flowers. They are climbers and free bloomers. Color of flowers is most gorgeous, ranging from white through all the shades of pink, red, carmine, crimson, salmon, golden yellow to the deepest brown and maroon—nearly black, all striped, shaded and blotched in an indescribable manner. Pkt. 5c, oz. 10c, ¼ lb. 35c.

King of the Blacks.—A very handsome climbing variety, with flowers of a very rich dark brown almost black. Pkt. 5c, oz. 15c.

Spitfire.—A most brilliant new variety of bright cardinal red. A most glowing color. Pkt. 5c, oz. 15c.

Napoleon III.—A beautiful climbing variety with golden yellow flowers, striped with rosy scarlet. Pkt. 5c, oz. 15c.

Tall Varieties Mixed.—Pkt. 3c, oz. 10c, ¼ lb. 20c, lb. 65c.

Lobb's Nasturtium.—These are much superior to the ordinary tall nasturtiums in brilliancy of flowers, height and rapid growth. Our mixture contains all the best named sorts. Pkt. 5c, oz. 15c.

Ivy Leaved.—This unique and most beautiful climbing Nasturtium is different from all others in foliage and flower. Plants of running growth, star-like leaves of rich green veined with white. Flowers are of medium size, intense glowing scarlet in color, and of most distinct form. Pkt. 5c, oz. 20c.



IMPERIAL MIXED NASTURTIUMS



EMPRESS OF INDIA NASTURTIUM.

PANSIES.

Pansies are a specialty with us, and we use the greatest care in growing and importing the best strains of these universal favorites. Circular giving full directions for growing pansies will be sent free if requested. Packets contain 100 to 250 seeds.

WINE SHADES, or IMPROVED MADAM PERRITT—When traveling in England we found this charming novelty growing on the grounds of a leading specialist, who had been selecting and hybridizing the finest large flowering sorts, having the richest, most velvety wine shade in some part of the flower, but there were fully 75 distinct varieties in the collection. We purchased the stock and now offer the seed to our customers. Pkt. 20c.

NEW RAINBOW.—The best novelty in pansies and the most charming variety ever sent out. We have given it the name of New Rainbow, and consider it very appropriate owing to its beautiful iridescent colors. Packet of 100 seeds 25 cents.

GIANT TRIMARDEAU.—Flowers of very large size, some have measured four inches in diameter. Each flower is marked with three large blotches or spots and stands well above the foliage. Choice mixed colors. Pkt. 10c.

MASTERPIECE.—This superb new pansy is distinct from all others in the form of flowers, the border of every petal being conspicuously undulated and curled, giving the flowers the appearance of a double pansy. The flowers are extremely large. Pkt. 2c.

FANCY STRIPED.—A beautiful variety from Belgium, with good sized flowers which are striped and mottled in various tints on contrasting ground colors. Pkt. 10c.

FIRE KING.—Very distinct and striking. Upper petals are of bright red, of really a fiery shade, warranting the name of Fire King. Pkt. 10c.

MAHOGANY.—A beautiful, rich mottled mahogany color. Pkt. 5c.

SNOW QUEEN.—Flowers of a delicate, pure, satiny white, handsome and attractive. Makes fine showing in beds or for cut flower work, and beautiful for cemetery use. Pkt. 5c.

IMPERIAL GERMAN MIXED.—Magnificent flowers of richest hues; one of our most popular sorts and of a high standard of excellence. Pkt. 10c; ¼ oz. \$1.00; oz. \$3.50.

QUADRICOLOR OR PHEASANT'S EYE.—Upper petals sky blue, edged with violet; lower petals spotted and marbled. Pkt. 5c.

ENGLISH FACE.—A popular variety in England. Most of the flowers are distinctly marked with a "face." Mixed colors. Pkt. 10c.

GOLDEN YELLOW.—Best of the yellow varieties. Desirable as a contrast. Pkt. 5c.

KING OF BLACKS OR FAUST.—Flowers intensely dark almost coal-black. Pkt. 5c.

AZURE BLUE.—Very fine shade of sky blue. Pkt. 5c.

INTERNATIONAL MIXED.

INTERNATIONAL MIXTURE.—In almost every country in the world there are pansy specialists, notably those of Scotland, Belgium, France, Germany and Switzerland. Each have their idea of perfection. This mixture consists of a grand assortment from the world's leading growers. Also many choice American strains, which are mainly made up by selecting and crossing the foreign sorts. If you like pansies you must have the International Mixture. Pkt. 20c; ¼ oz. \$3.00; oz. \$10.00.

CASSIER GIANT ODIER.—Flowers of immense size, and are of the popular Odier type, being all three-spotted or five spotted on backgrounds of very rich colors. The flowers of the Cassier's are of good substance and fine form, while the plants are of most compact growth. Pkt. 15c.

LORD BEACONSFIELD.—Fine, large flowers of deep purple violet, shading off in the petals to a white hue. Pkt. 5c.

MAMMOTH BUTTERFLY.—A strain of pansy of matchless forms, colors and markings, with flowers half as large again as ordinary pansies. Pkt. 10c.

VIOLET SCENTED.—This new type is a cross between the pansy and violet. Flowers are much larger than the violet, more like pansies, but with the delicious fragrance of the former; mixed colors. Pkt. 15c.

PEACOCK.—This fine new variety has been named the Peacock because the upper petals of the flower resemble in color the peculiar shade seen only in feathers of the peacock, a beautiful ultra marine blue. Petals are edged with a thin white line, within which it is purplish crimson, passing into a rich central blotch of blue, shading to black. Pkt. 10c.

LARGE FLOWERING MIXED.—Pkt. 7c; oz. \$2.75.

FINE MIXED.—Of many good sorts. Pkt. 5c; oz. \$1.00.

COLLECTION—One packet each of the above sorts for \$1.75.

PANSY PLANTS.

Extra large strong healthy plants from the best quality of seed, 50 cts. per doz. Smaller size 25 cts per doz.



WINE SHADES PANSY.

POPPIES.

This grand old flower has kept pace with the march of improvement, and now comes around and surprises us with its new forms, new sizes and new colors.

ROSY MORN.—This new poppy is really superb. The flowers are extremely double and of good size, forming perfect balls of a unique and beautiful shade of rose—a new and distinct color in poppies. It is of the easiest possible culture, belonging to the annual praeony flowered section. Pkt. 7c.

SHIRLEY.—A new single. In color from the purest white through the most delicate shades of rose pink and carmine to the deepest crimson. Pkt. 5c.

AMERICAN FLAG.—Flowers extra large, very double, snow white, bordered with scarlet, thus making an extra choice, very showy variety, that should be very popular. Pkt. 5c.

DOUBLE CARNATION.—A splendid assortment of the best double carnation flowered sorts. The most popular variety, and will make an attractive bed. Pkt. 5c.

ALL VARIETIES MIXED.—Pkt. 3c.

Make Home Pleasant

home pleasant in order to hold them.

Homemakers Collection of Flower Seeds.—One packet each of 12 varieties for 25 cents.

Homemakers Collection of Flower Plants.—Consists of 12 choice flowering and ornamental plants, well suited to make an attractive, showy bed. Sent postpaid for 50 cents.

Homemakers Window Garden.—Consists of 10 choice flowering plants suitable for growing in the house. A fine assortment and all different. Price 60 cents, postpaid.





IOWA SEED COMPANY'S SINGLE AND DOUBLE PETUNIA.

PHLOX DRUMMONDI.—If we could have but one flower for our garden that one would be the Phlox. Its brilliant shades of color, ranging from clear white to brilliant scarlet, make an almost dazzling show; continually in bloom if cut freely.

Fire Ball.—Brilliant, dazzling scarlet; very handsome dwarf, compact. Pkt. 5c.

Grandiflora Alba.—Pure white, very large flowers, constantly in bloom. Pkt. 5c.

Cuspidata or Star.—Petals run out like little spines, thus giving the flowers a beautiful effect. Many colors. Pkt. 10c

Double Pearl.—A grand variety, introduced by us in 1888. By constant selection we have improved it so that almost every plant produces handsome, double, pure white flowers. It is very pretty, and will prove a splendid acquisition for bouquet work. Pkt. 10c.

Grandiflora Mixed.—This special large flowering strain has been selected with great care for many years until we now have an ideal flower of immense size and for beauty of color they are unsurpassed. The colors range from the purest white to nearly black, including all shades of pink, red, violet, crimson, purple, yellow, blue, scarlet and brown, striped and blended in an indescribable manner. Pkt. 8c.

Jubilee.—A decided novelty, being an entirely new color in Phlox, a bright yellow; flowers nearly the size of a twenty-dollar gold coin. Pkt. 8c.

Fringed Mixed.—Very handsome. The flowers are of the most velvety colors and handsomely fringed. Pkt. 7c.

Mixed Varieties.—A mixture of the common varieties. Pkt. 5c.

Perennial Mixed.—Splendid hardy plants which bloom continuously after the second year. Pkt. 5c.



PORTULACA.—Grandiflora Single Mixed. —This old favorite is brightest in the hot, dry weather, when other flowers are drooping. They are of almost every conceivable shade of color. Large flowered. Pkt. 3c.

Double Mixed.—Very handsome, double as a rose, contains colors and shadings unknown in the single. Our seed is extra choice and will produce sixty to seventy-five per cent of flowers as double as the most perfect rose. Pkt. 10c.

RICINUS.—(Castor Oil Plant.)—Cambogiensis. —This beautiful plant grows to a height of 8 ft. and of most stately, majestic tropical appearance. Large palm-like leaves of darkest reddish maroon, covered with a bright bronzy lustre, while the main stalk and leaf stems are ebony black. Leaves have large red veins which add to the beauty. The fruit is fiery red. It is unexcelled as a decorative plant for lawn or garden.



DOUBLE PORTULACA.

Seed will always be scarce and high. Pkt. of ten seeds 10c.

Zanzibarensis.—Grows to a height of 12 to 14 feet, with leaves 2 to nearly 4 feet across. A handsome specimen plant for lawns. The different varieties included in our mixture have light and dark green leaves and some of coppery bronze, changing to dark green, with reddish ribs. Pkt. 5c.

Sanguineus Tricolor.—Blood red stalk; very attractive. Pkt. 5c.

All Varieties Mixed.—Pkt. 4c.

RHODANTHE.—Maculata. —One of the finest and most beautiful of everlastings. The flowers are of various colors. For winter bouquets the blossoms should be gathered before fully expanded, and if dried in the shade will retain their brilliancy for years. Rosy crimson with bright yellow center. Pkt. 5c.

PETUNIA.—Surely there is no garden complete without a bed of elegant petunias. They commence flowering early and continue a mass of bloom throughout the whole season, until killed by frost; easily cultivated, requiring rich soil and a sunny situation.

Fine Mixed.—Best of older sorts carefully mixed. Pkt. 8c.

Double Inimitable.—A splendid mixture. Our seed is the best German grown, and will produce a large percentage of fine double flowering plants. Pkt. 25c.

Little Pet.—Round, bushy little plants about eight inches high, covered for months with beautiful flowers which are widely open and always look so fresh, bright and beautiful that the ladies "just love them." Most of the flowers have a distinct five-pointed star in the center and they are of a great variety of colors. Pkt. 10c.

Giant Fancy Flowering.—A new strain and undoubtedly the handsomest of all. See novelties for description. Pkt. 15c.

Grandiflora Mixed.—Very large, elegant flowers; a great improvement and fully twice the size of the old sorts, with the most beautiful shades of crimson, white, rose, maroon, etc., blotched, striped, veined, bordered, marked and fringed. Pkt. of 200 seeds 10c.

PYRETHENUM.—Golden Feather —Beautiful golden leaved foliage plants of special value for borders and ribbon beds. Pkt. 5c.

Roseum.—It is from this that the *Perstan Insect Powder* is made. Flower large, yellow and rose colored. Pkt. 8c.

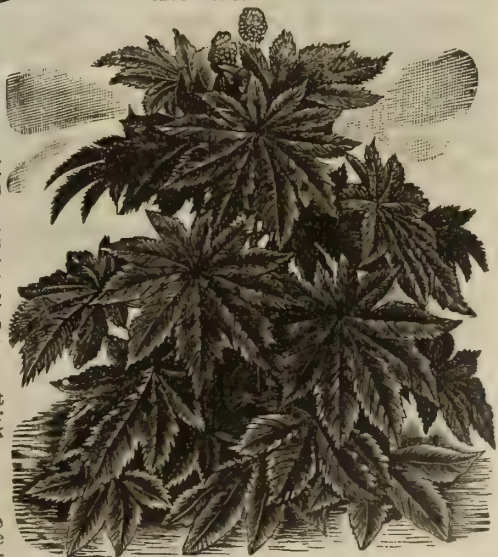
PRIMROSE.—Chinese. —One of the most desirable plants for growing indoors, being in almost constant bloom all winter, and if transferred to the border, they will bloom nearly all summer. Though perennial, new plants flower more freely, and seed should be sown every year. Start under glass. Mixed colors. Pkt. 15c.

Forbesi.—*Baby Primrose.*—A wonderfully free blooming little plant, covered with a mass of small flowers, especially during the winter. Pkt. 10c.

Obconica.—*Everblooming Primrose.*—A favorite on account of its great blooming qualities. Mixed colors. Pkt. 10c.

PASSION FLOWER.—A most desirable climbing plant. Sow seed early and if well cared for and seasons are favorable, vines will send out magnificent blossoms the first year, of pink, blue and white, very large and showy. Vines throw out blossoms when only one or two feet high, followed by golden fruit about the size of a hen's egg. If left in the open ground in winter it must have some protection. Pkt. 7c.

PLATYCODON.—(*Wahlenbergia*.)—A perennial plant blooming the first year from seed, which should be sown early in open ground. Flowers are of large size, 2½ to 3 inches in diameter, and of various shades of light blue, lavender and white. Pkt. 7c.



CAMBOGIENSIS RICINUS.

SET OUT A FEW GRAPE VINES THIS YEAR AND ENJOY FRUIT FROM YOUR OWN VINES.

SWEET PEAS.

May well be called America's favorite, as it is such a popular and easily grown flower that rich and poor alike can enjoy its fragrance and beauty. Out of nearly 200 varieties which we carefully examined on trial grounds we selected the following as being the VERY BEST

IMPERIAL MIXED.—Sixty of the best varieties carefully selected so as to get the proper proportion of each color in the assortment. This makes the choicest mixture yet offered. Our illustration shows a bunch of the various colors and we are sure our customers will be greatly pleased with them. Pkt. 5c; oz. 10c; ¼ lb. 25c; ½ lb. 75c.



AURORA.—Extra large flowers, flaked and striped bright salmon on a white ground. Pkt. 5c; oz. 10c; ¼ lb. 20c.

BLACK KNIGHT.—Rich glossy blackish maroon. Pkt. 5c; oz. 15c; ¼ lb. 40c.

BLANCHE BURPEE.—The finest pure white, blooms freely. Pkt. 5c; oz. 10c; ¼ lb. 20c.

BOREATION.—Immense bold attractive flowers borne in great profusion. Color red mahogany and maroon. Pkt. 5c; oz. 10c; ¼ lb. 25c.

CAPTAIN OF THE BLUES.—Large shell shaped purplish flowers, wings deep blue. Pkt. 5c; oz. 10c; ¼ lb. 20c.

COUNTRESS OF RANDOR.—Standard rich lavender mauve, wings lighter. Pkt. 5c; oz. 10c; ¼ lb. 25c.

CUPID MIXED.—Of dwarf growth. Flowers pretty and freely produced. Mixed colors. Pkt. 5c; oz. 10c; ¼ lb. 25c.

EMILY HENDERSON.—Earliest blooming, pure white variety. Pkt. 5c; oz. 10c; ¼ lb. 20c.

EMILY ECKFORD.—A superb large flower of rosy heliotrope color. Pkt. 5c; oz. 10c; ¼ lb. 20c.

EXTRA EARLY BLANCHE FERRY.—Earliest of all. An improvement on Painted Lady. Delicately handsome. Pkt. 5c; oz. 10c; ¼ lb. 20c.

GRAY FRIAR.—White clouded and dotted lilac. Decidedly odd and attractive. Pkt. 5c; oz. 10c; ¼ lb. 25c.

HON. F. BOUVERIE.—Pinkish salmon at base of standard and wings shading to light salmon and buff at edges. Pkt. 5c; oz. 15c; ¼ lb. 50c.

LOTTIE ECKFORD.—White, suffused with rosy lilac, edged blue. Pkt. 5c; oz. 10c; ¼ lb. 20c.

LOVELY.—The most beautiful shades of soft shell-pink, shading to very faint rose at the outer edges. Pkt. 5c; oz. 10c; ¼ lb. 20c.

IMPERIAL MIXED SWEET PEAS.

PRINCE OF WALES.—A bright, self-colored, deep-rose flower of grand size and beautifully hooded form; frequently four on a stem. Pkt. 5c; oz. 10c; ¼ lb. 30c.

RAMONA.—Creamy-white, flower striped and flaked blush pink. Pkt. 5c; oz. 10c; ¼ lb. 20c.

ROYAL ROSE.—Beautiful clear rose. Pkt. 5c; oz. 10c; ¼ lb. 20c.

SALOPIAN.—By far the best of the red varieties, of immense size and of most brilliant color. Pkt. 5c; oz. 10c; ¼ lb. 20c.

SPLENDOR.—A soft shade of bright rose-pink, with deeper coloring in center of standard and inner portion of the wings. Pkt. 5c; oz. 10c; ¼ lb. 20c.

DOUBLE MIXED.—Saved from the best double flowered plants. Pkt. 5c; oz. 10c; ¼ lb. 30c; ½ lb. 85c.

PERFECTED MIXED.—Of graceful form, charming color, exquisite fragrance and simple loveliness. This mixture contains many choice new varieties and some old favorites. Pkt. 5c; oz. 10c; ¼ lb. 20c; ½ lb. 50c.

FINE MIXED.—A nice mixture for a very low price. Pkt. 2c; oz. 5c; ¼ lb. 15c; ½ lb. 35c.

COLLECTION.—One packet each of above 27 varieties for 80 cts.

PERENNIAL SWEET PEAS.—(*Lathyrus*).—A very popular perennial variety wherever known and it should be more generally used. Mixed colors. Blooms second year. Pkt. 5c; oz. 20c.

SALVIA.—Splenens. One of the most brilliant scarlet flowers; it thrives in any light, rich soil; often called flowering sage. Freec bloomers. Very fine. Most satisfactory of bedding plants. Pkt. 10c.

SALPIGLOSSIS.—One of the most beautiful of flowering annuals, forming strong, bushy plants, about 18 inches high, and bearing throughout the season large flowers 3 to 4 inches across, of many beautiful colors. Sometimes called Painted Tube Tongue.

New Variegated.—This is very much larger than the common Salpiglossis. The surface is soft and velvety and the wealth of color marvelous. The colors range from pure white to dark yellow, dark red and purplish black, including light and dark blue, velvety plum color, maroon, crimson, dark brown, golden and lemon yellow, white, dark purple, black, brilliant scarlet, with all the shades between, beautifully veined and mottled; blooms all summer till frost. Pkt. 8c.

SCABIOSA.—(Or Mourning Bride). Double Dwarf Mixed.—A handsome summer border plant, producing in great profusion very double flowers in a variety of shades and colors. Pkt. 4c.



SALVIA.





PERPETUAL WHITE STOCKS.

SHAMROCK.—The true Irish Shamrock seed imported direct from Ireland Plant it on St. Patrick's day, if weather is favorable. Pkt. 10c.

SMILAX.—Much used for winter decorations; the seeds start slowly and should be planted in loose, rich soil, and kept moist and warm. Pkt. 8c.

SCHIZANTHUS.—Fine Mixed.—An easily grown plant, bearing quantities of gay, butterfly-like flowers, beautifully marked and spotted. Pkt. 5c.

SWEET SULTAN.—Giant Flowering Mixed.—Very large, 3 to 4 inches across, and most deliciously fragrant—the color of the flowers are infinitely varied from glistening white through shades of red to royal purple. Pkt. 10c.

SCARLET RUNNER.—A valuable climbing vine, belonging to the bean family having bright scarlet flowers and pods, very showy as a climber, also valuable for table use. Pkt. 5c; ½ pint 20c.

SWEET WILLIAM.—Single Mixed.—One of the best edging plants for the border, bearing in early summer large heads of the richest and most varied colors. Very fragrant. Perennial. Pkt. 5c.

Double Mixed.—Florets are finely double, brightly colored and beautiful. Pkt. 5c.



STOCKS.—Sometimes called Gillflowers or Ten Weeks Stocks. These popular flowers are easily grown, and are so highly fragrant and of such great beauty, and have so many good qualities, that they deserve a place in every garden.

Perpetual White.—(*Princess Alice or Cut and Come Again*).—Of strong growth, fine branching habit, and if sown early, will bloom from May until November. Flowers very large and pure white, and the more they are cut the better they like it. Deliciously fragrant. Pkt. 10c.

Large Flowering Dwarf German.—The most popular flower with our German customers. Our mixture contains a great variety of colors. Pkt. 5c.

SUNFLOWER.—Globe of Gold.—Dwarf, well branched plant growing about 3 feet high and each of its numerous branches carrying a medium sized, densely double globe shaped flower of rich, deep, golden yellow color, being veritable globes of gold. The most densely double of any sunflower. They are easily grown from seed and produce handsome, symmetrical plants, effective on lawns or in the garden. Pkt. 7c.

Excelsior Branching.—(*Helianthus*).—This new plant caused great attention in Europe. Has a single flower about five inches across producing a pyramid of bloom. Pkt. 10c.

Silver Leaved.—Leaves long and densely covered with long white hairs which give it a peculiar shining, silvery appearance. Flowers clear golden yellow, three to four inches across. Pkt. 5c.

Peerless Mixed.—A splendid assortment of fifteen of the best varieties grown together on our grounds. It includes some which are both curious and desirable. Pkt. 5c. oz. 15c.

Mammoth Russian.—Largest of all, quite showy and the most profitable to grow for feeding purposes. Pkt. 5c, lb. 25c.

SENSITIVE PLANT.—A very pretty and curious plant, the leaves closing when touched. The seeds start slow, and it is best to start them in boxes. Always pleases the children. Pkt. 5c.



GLOBE OF GOLD SUNFLOWER.

THUNBERGIA.—Mixed Colors.—(*Black-Eyed Susan*).—Beautiful, rapid growing climbers for vases, trellises or rustic work. Flowers buff, orange, white, etc. Pkt. 5c.

TORENIA.—Fournieri.—Beautiful free flowering, trailing plants, well suited for baskets, vases, and in most situations out of doors. A handsome plant, but not hardy. Pkt. 10c.

VERBENA.—The verbena is deservedly a universal favorite, unrivaled in the splendor of its dazzling brilliancy of flower. A constant bloomer and if grown from seed has a sweet fragrance. Start seed early in the house and it will bloom all summer.

New Century Mammoth.—Of most beautiful colors, largest flowers and largest truss of any verbena, and it is a variety which will please everyone. When well grown every flower truss measures over nine inches in circumference, while the single florets are as large as a twenty-five cent piece; more vigorous in growth than the ordinary verbena. Contains a great assortment of colors, the above illustration showing a flower of dark scarlet with white eye. Pkt. 15c.

Candidissima.—Large trusses of pure white flowers; beautiful. Pkt. 8c.

Defiance.—A true scarlet; extra fine.

Extra Choice Mixed.—From finest German collection of named sorts. Pkt. 7c.

Fine Mixed.—Contains a nice variety of colors. Pkt. 4c.

Blue Mixed.—Desirable. Blue purple and lavender varieties. Pkt. 10c.



CENTURY MAMMOTH VERBENA.

VINCA.—Fine Mixed.—(*Periwinkle*).—A very pretty, free-flowering perennial with shining green foliage and beautiful flowers. Pkt. 5c.

VIOLA.—Odorata.—The well known sweet violet. All colors mixed. Seeds start very slowly. Pkt. 10c.

WISTARIA.—One of the most popular hardy vines, climbing to a height of fifty feet or more. It is perennial and easily grown from seed. Of luxuriant and rapid growth, bearing in the spring immense panicles of purple flowers produced in great profusion. Pkt. 10c.

WATER LILIES.—These have been quite popular during the past few years. They are easily grown and bloom in three or four months from the time of sowing seed. For persons having no pond, sink a half barrel in the ground. Directions sent in packet. Mixed colors, red, white, blue. Pkt. 10c.

WALLFLOWER.—Greatly prized for their exquisite fragrance. They grow in long, brilliant colored spikes of flowers. Many varieties. Plants removed to pots in autumn will produce an abundance of delightfully fragrant flowers.

Double Varieties Mixed.—Pkt. 10c.

Single Varieties Mixed.—Best single and semi-double varieties. Pkt. 3c.

THE GOLD AND SILVER FLOWER IS A CHARMING NOVELTY. TRY IT THIS YEAR.



WILD CUCUMBER.

Pigmy, or Lilliput.—This strain is the acme of beauty and perfection in zinnias. Plants small and of bushy growth, each one bearing scores of beautiful little blossoms of the most perfect shape and brilliant colors, from pure white to very dark orange purple, crimson and vermillion. Mixed colors. Pkt. 7c.

Curled and Crested.—An unique and charming variety with petals oddly curled and crested in fantastic contortions and graceful forms. Many colors. Pkt. 5c.

Finest Double Mixed.—Pkt. 3c
Zebra.—Beautifully and brilliantly striped with rich colors. There are always some which do not produce striped flowers. Pkt. 5c.

AFRICAN WATER LILIES.—These have been quite popular during the past few years. They are easily grown and bloom in three or four months from the time of sowing seed. For persons having no pond, sink half barrel in the ground. Directions sent in packet. Mixed colors, red, white, blue. Pkt. 10c.

XERANTHEMUM.—Free flowering and easily grown, making a handsome bed. All kinds mixed. Pkt. 10c.

WILD CUCUMBER.—A well known vine common in many sections, and the quickest climber known for covering verandas, old trees and houses, trellises, etc., never suffering from the heat, but retaining its fresh and lively green color; never infested with insects, very protuse in bloom. It reaches a height of 30 feet in one season. It is covered with clusters of white, sweet scented flowers, followed by an abundance of ornamental prickly seed pods. It will reproduce itself from self-sown seed every year. Pkt. 5c, oz. 20c.

ZINNIA.—Strong growing, hardy and elegant plants, rivaling the dahlia in size and doubleness, while the colors are bright and varied, ranging from white to deep, purplish crimson. Splendid for hedges, beds and borders.



CHINESE HORN NUTS.—A large and most singular appearing nut, resembling buffalo horns, which is known botanically as *Trapa Nutans*. It is a native of China, and is largely used as a food there and in some parts of southern Europe. It is a swamp plant and can be grown in a jar of water, but it is better to have some dirt at the bottom. The growth is quite interesting and rapid and they produce pink single flowers. Can be grown in an aquarium. They are always of poor vitality and are sold mainly as curiosities. These nuts have been sold at the World's Fair and elsewhere at 10c to 25c each. We offer pkts. of 3 nuts for 10c.



CHINESE HORN NUT.

Popular Collection.

Consists of one packet each of

Sweet Alyssum, Aster, Balsam, Candytuft, Convolvulus, Cypress Vine, Canna, Cockscomb, Dianthus, Larkspur, Ice Plant, Mignonette, Nasturtium, Petunia, Pansy, Poppy, Phlox, Sweet Peas, Sunflower and Zinnia. — Total 20 Packets for 50 Cents.

SPECIAL MIXTURE OF FLOWER SEEDS.

Many persons derive pleasure from watching the growth of a varied bed of flowers, entirely out of the usual trim garden style, while others desire a much more extended collection than their means will permit. To both of these classes the following special mixtures will appeal:

MIXTURE OF FRAGRANT ANNUALS.—Carefully made up from seeds of fragrant flowers on a bed of these will give rich perfume throughout the day and evening while some of them are also suitable for cutting. Pkt. 10c.

MIXTURE OF CLIMBERS.—This is a liberally filled packet of seed of many beautiful annual climbers suitable for growing together. Pkt. 10c.

LOW GROWING ANNUALS.—This mixture contains seeds of a great variety of low growing annuals, few of which exceed four to six inches in height, and which, sown in beds or borders, present the appearance of Turkish rugs, carpeting the ground in their wide range of colorings and forms. Pkt. 10c.

FLOWERS FOR BOUQUETS.—This mixture embraces seeds of annuals producing flowers suitable for cutting and for bouquets, nearly all of them having long stems. Planted in a section of the garden this will furnish a constant supply of cut flowers. Pkt. 10c.

INTERNATIONAL NOVELTIES MIXED.—Each year we make a grand test of floral novelties, obtaining seed therefrom from all parts of the world, and our trial fields exhibit a truly magnificent display of flowers never before grown here. A few of the new varieties did not do well with us, but they may prove valuable in other climates or on different soils; by far the larger number are valuable acquisitions which we would like our customers to try. We have saved seed of most varieties, but instead of listing them in catalogue separately at 10c to 25c per pkt. we have decided to mix them all together and offer our customers this grand assortment at the low price of 10c per pkt.; 3 for 25c.

LAWN FLOWER MIXTURE.—A special mixture of low growing, quick blooming flowers very desirable for sowing with Lawn Grass Seed in the spring. They come up quickly, afford shelter for grass seed and will bloom by the time the grass requires cutting the first time. Also desirable for sowing on an old lawn very early in the season. Price per ounce package only 25c.

MIXED GRASSES.—A mixture of the ornamental grasses suitable to grow in masses. Makes a striking as well as useful collection. Valuable for making up into winter bouquets. These should be cut just as they come into bloom and dried in the shade. Very useful for working up with the everlastings into winter ornaments; they lend a grace and beauty not obtainable without them. Pkt. 5c.

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All of the above mixtures are carefully prepared from choice fresh seeds, and cannot fail to give satisfaction. The packets are liberally filled, and in no other manner can so many seeds be obtained at such light cost.



TEACH THE CHILDREN TO LOVE NATURE BY GIVING THEM A FLOWER GARDEN THIS YEAR.

FLOWER PLANTS

It is now just twenty years since we purchased a range of greenhouses and employed experienced florists to look after this branch of our business. All their time and attention has been devoted to growing flower plants and bulbs exclusively for the mail order trade, as for this purpose they require special culture in greenhouses kept at a low temperature so that they will be hardy, healthy and vigorous. Plants grown in the high temperature at which most florists are obliged to keep their houses in order to produce cut flowers, grow so rapidly that they are soft, succulent and not fit for sending through the mails. The common hothouse grown plants are ill prepared to stand shipment or the great change of temperature to ordinary house culture or outdoor bedding. We are filling orders constantly from every state and also from various parts of Canada, Mexico, etc. Our system of packing is so very complete that plants arrive in almost as perfect condition after traveling many hundreds of miles as they were when packed.

20 ACRES
— IN —
...FLOWERS...

24

LARGE GREENHOUSES

We invite flower lovers to visit
FLORAL HILL, corner 38th and
Kingman Boulevard

Our greenhouses and floral trial grounds
here are a revelation of the beauties of na-
ture unsurpassed in any part of the west



ABUTILON.—Savitzi.—One of the most beautiful new variegated-leaved plants in existence. Its large maple-like leaves are almost white, being blotched here and there only with clear, bright green, a most charming contrast, heightened still more by the very large, orange-colored, bell-shaped flowers with which the plant is always covered. It is most admirably adapted as a border for Cannas, Geraniums and other taller growing plants. Each 15c, 4 for 50c.

Eclipse.—A most charming trailing variety. The foliage is elegantly pencilled with dark green and yellow, a fine contrast, while the pendulous bell-shaped flowers are bright yellow with crimson throat. An excellent plant for vases, hanging baskets and rockeries. Each 15c.

Souvenir de Bonn.—A striking decorative foliage plant with beautiful variegated leaves of good size, regularly and evenly marked with white and green. Graceful, drooping orange colored flowers are produced in abundance. Each 15c.

Thompsoni Plena.—Instead of a single bell-shaped bloom like all other kinds, this has a perfectly double flower of a rich deep orange color, shaded and streaked with crimson. Foliage handsomely variegated. Each 15c.

Golden Fleece.—The best yellow variety of dwarf habit, symmetrical growth and a very free bloomer. Each 15c.

Erecta.—Color is a beautiful soft pink, changing to orange. Each 10c.

ASPARAGUS.—**Plumosus Nanus.**—One of the handsomest of our foliage plants for pot culture, beautiful the year round, and there is no more decorative plant in the entire list. Easily grown even in a north window. Leaves are bright green, gracefully arched, as finely woven as the finest silken mesh; their lasting qualities, when cut, are remarkable, retaining their freshness for weeks. Each 17c, large 25c.

Sprengeri.—A splendid new plant for hanging baskets or pots, making great pendulous masses of fine feathery foliage, exceedingly graceful and beautiful. Each 10c, large plants 25c.

AGERATUM.—**Princess Pauline.**—A most distinct and novel variety, of dwarf, compact habit, rarely exceeding five inches in height, its peculiarity being that both colors, blue and white are combined in the same flower. This pretty variegation gives the flower a most charming appearance, and it is one of the most distinct and beautiful new bedding plants now on the market. It is free flowering the entire season and very bright and pretty. Each 10c, dozen \$1.00.

White Swan.—A beautiful pure white variety, having large clusters of pretty flowers, very desirable for borders or bedding. Each 10c, dozen 75c.

Stella Gurney.—Color a deep even blue and literally forming a sheet of bloom all summer. Dwarf and compact in growth. Each 15c.

ABRAUCARIA.—**Excelsa.**—This beautiful plant resembles the pine somewhat in appearance, though much finer in texture, and is particularly adapted to table decoration. It is most unique in appearance. Its deep green feathery foliage arranged in whorls rising one above the other at regular distance makes it a plant of rare value for house or conservatory decorations. Must be sent by express; too large to mail. Each \$1.00, \$2.00 and \$3.00.

ALTERNANTHERAS.—Bright colored dwarf growing foliage plants largely used for carpet bedding, borders, etc. Four varieties. Each 10c; doz. 75c.

ASTERS.—Grown from the best seed of all varieties mixed. Per dozen 75c. \$3.00 per hundred, charges prepaid.

ACHYRANTHES.—Bright colored foliage plants, used largely for bedding with coleus; several varieties. Each 10c; doz. 75c.



ASPARAGUS PLUMOSUS NANUS.



VARIEGATED SWEET ALYSSUM

TERMS AND DISCOUNTS.—At prices named we send plants postpaid except where noted. Orders for plants must amount to at least 25c. We will furnish plants amounting to \$1.20 for \$1.00, \$2.50 for \$2.00, \$7.00 for \$5.00.

SPECIAL EXPRESS RATES.—All express companies now carry plants at a reduction of 20 per cent from regular merchandise rates. If you wish your plants sent by express we will put in gratis a few extra plants to help you pay the charges.

WE GUARANTEE.—That plants ordered from this list will reach purchasers in any part of the United States in good order if sent by mail or express.

NOTICE.—We ship all plants as soon after order is received as weather permits. Bedding plants we will hold until the usual season for setting out. If plants are ordered for immediate shipment they will be sent at purchaser's risk.

KEEP PLANT AND SEED ORDERS SEPARATE.—Kindly write your plant orders on a separate sheet from seed order so that it can be sent at once to greenhouse for filling.

SWEET ALYSSUM.—**Variegated.**—A charming little novelty, the flower having all the sweet grace and beauty of the common sweet alyssum, being pure white and produced in numerous spikes which cover the plant. Quite fragrant. It has the further advantage of beautifully variegated green and white foliage and is attractive at all times for borders, bedding or pot culture. Each 10c, dozen 90c.

Single White.—Nice little pure white flowers. Each 10c.

Double.—Very desirable for either pots or bedding. Each 10c, dozen 75c.

ARTILLERY PLANT.—A neat, pretty plant, resembling some of the ferns. Its graceful habit makes it very desirable for baskets and vases. Each 10c.

ANTHERICUM.—**Picturatum.**—The leaves are deep green, broadly striped with pure white. Bears many spikes of small, star-like flowers. Each 10c.



ABRAUCARIA.



PRINCESS PAULINE AGERATUM.

THE EXTRA PLANTS WHICH WE SEND FREE WITH EACH ORDER SHOULD PROVE GRATIFYING.



VERNON BEGONIA.

ANTIGONON.—This splendid climbing plant is sometimes called the "Queen's Wreath," or "Mountain Rose." It is a rather rapid grower, and produces long racemes of handsome carmine colored flowers which somewhat resemble bunches of grapes; flowers are produced in great profusion from June until frost. Strong plants each 15c.

ALOE.—Pheasant's Breast.—An elegant appearing slow growing plant, highly prized wherever its true value is known. Each 25c; large size 75c.

BROWALLIA.—Mammoth.—The most beautiful of all the Browallias. The plants grow only about a foot high, forming dense little bushes, which are covered with an abundance of the most delightful sky blue flowers. For beds, borders or pots there is hardly another plant with blue flowers that compares with it. Each 10c; dozen \$1.00.

BRYOPHYLLUM.—(Sprouting Leaf).—A most curious plant. The leaves are thick and heavy and when cut and placed in moist soil little plants start from the notches in them, and make strong plants in a very short time. When in bloom it presents a very odd and interesting appearance; first, long green, red-striped pods are formed, through this breaks a pointed tube of a dull red shade. Each 15c.

COLEUS.—Whoever has been in our large city parks will never forget the ornamental beds—curving and quaint designs and mingling arabesques of all colors—which look like vari-colored rugs spread at short intervals on the smooth lawn. These are formed of Coleus. The following include the very best varieties:

Burning Bush.—Light red with dark crimson center.
Golden Gem.—Dwarf bright yellow variety; veins black.
Autumn Leaves.—A new variety which combines so many different colors as to suggest the name.

Klondike.—Bright green, center beautifully marked golden yellow, distinctly bordered deep bronze.

Dewey.—A better bedder, a brighter color than Verschaffeltii; color is bright crimson, edged maroon.

Cuba Libre.—A bright crimson, shading to maroon with finely scalloped edges of pea green.

Brilliance.—Has enormous leaves like a Rex begonia; yellow, crimson, pink and green; coloring very fine.

John Rogers.—The only coleus we have found to hold its color all summer; of old gold and pea green; ruffled edges.

Eclipse.—A grand new variety of rich warm brown, shading to royal crimson, with a light edging; also fine as a pot plant.

Golden Bedder.—Color yellow; this is the best yellow coleus for bedding; deep gold in the sun.

Firebrand.—New maroon flamed and shaded with brilliant fiery red.

Verschaffeltii.—The oldest, still one of the best, dark rich velvety crimson.

Crimson Bedder.—Purple crimson.

Little Beauty.—A very attractive dwarf variety; leaves green with white center; fine for borders.

Conniver.—Bronze veined pink, mottled light crimson.

Louis Paldet.—Rich deep crimson with red veins and green edge.

Mrs. F. Sander.—Large creamy white center bordered with green, blotched crimson and purple; fine for pots.

Blackbird.—Leaves and stem almost jet black; fringed edges.

Sunset.—Center of leaf brownish purple shading to crimson; edge yellow.

All of above varieties each 10 cents; dozen 85 cents. Entire set of twenty for \$1.15. Mixed varieties suitable for bedding, unnamed, 75 cents per dozen, \$4.25 per 100 postpaid.

CUPHEA.—Platycentra.—This is the old-fashioned Cigar Plant, with narrow tubular scarlet flowers, tipped with purple; always in bloom. Each 10c.

BEGONIA.—Vernon.—Of unusual value for bedding, as it will stand the hot summer sun.

Flowers are of a brilliant deep red color; the foliage is very abundant, deep and glossy, and of a fine green color, spotted and margined with bronzed purple. Each 10c.

Tuberous Rooted.—Giant flowered, tuberous rooted begonias have been brought to wonderful perfection. Flowers sometimes grow six inches in diameter, borne upright on stiff stems and of richest colors, embracing every shade—white, rose, pink, red, scarlet, crimson, maroon, lake, yellow, orange. Each 15c; doz. \$1.50.

Profusion.—A new French variety of vigorous growth. Flowers are bright pink, produced evenly all over the plant. Each 15 cents.

Fournaise.—Flowers produced in large drooping panicles, bright red. Each 10c.

Alba Picta.—Leaves a glossy green color, thickly spotted with silvery white. Flowers white. Ea. 15c.

McBethii.—Foliage fern-like. Panicles of pure white flowers produced in the greatest profusion. It is the most persistent bloomer of the begonias. Each 10c.

Metallica.—This elegant variety has very large leaves shaded with green, crimson and olive, with a peculiar metallic luster over all. Flowers a clear pink, shaded with white. Each 10c.

Rubra.—This fine variety is a constant bloomer. Color rosy scarlet. Each 10c.

Semper Florens Gigantea Rosea.—A superb variety; very strong and upright. Large cardinal red flowers. Each 15c.

Argentea Guttata.—Purple bronze leaves with silvery markings. The flowers are white. Each 10c.

Madam de Lesseps.—Has very large leaves of silky texture and beautifully spotted with silver. Flowers pink and white. Ea. 15c.

Marjorie Daw.—A beautiful trailing variety; its bright salmon pink flowers are produced in broad panicles. Bright green "angel wing" leaves. Ea. 15c.

Miniata.—A beautiful variety of upright bushy style of growth; flowers bright scarlet. They are very free flowering. Each 10c.

Rex.—The Rex, or King Begonia, may well be called the King of foliage plants and they make a magnificent showing with their rich lustrous tints, tropical looking leaves. Choicest varieties. Each 20c.

Louise Erdody.—This is one of the finest of the Rex class. Ea. 25c.

Bertha.—Has very bright green leaves and flowers of beautiful currant red. Is very floriferous and a most charming variety. Each 15c.

BOUVARDIA.—Alfred Neuner.—This magnificent and showy plant is the ideal Bouvardia. It is an erect, strong grower, making charming shaped plants, producing great clusters of the most beautiful, waxy, double, pure white flowers, resembling bunches of miniature tuberose. It blooms well during the summer beginning early in July, but its greatest value is for winter flowering. Each 20c.

COBÆA SCANDENS.—A well known summer climber. Foliage green; large purple, bell-shaped flowers. Each 15c.



REX BEGONIA.



BRYOPHYLLUM

ALFRED NEUNER
BOUVARDIA.

TEN CHOICE ROSE PLANTS, OUR SELECTION, ALL DIFFERENT, FOR 50 CENTS.

CARNATIONS.

Fragrant flowers are always sought after and the rich, spicy odor of the carnation, combined with various colors, leaves little to be desired. Easily grown and bloom freely.

America.—A pure light scarlet; flowers very full and perfect shaped. Blooms early. Each 10c.

Evelina.—A grand, pure white, early and free flowering carnation of healthy, vigorous growth; makes fine bushy plants and bears an abundance of flowers on long stems; petals finely fringed and very fragrant. An excellent variety for general use. Each 10c.

Improved American Flag.—An immense, strong, vigorous grower and profuse bloomer; very fragrant. Color is different from any other variety, being distinctly and regularly striped vivid scarlet and pure white, giving it a most novel and striking effect. Each 10c.

Mrs. Thos. W. Lawson.—The immense pink variety for which \$30,000.00 was paid by Mr. Lawson; the highest price ever paid for a plant novelty in this country. Flowers 3½ inches in diameter; color beautiful deep pink. Each 15c.

Mayor Pingree.—A grand, clear, lemon yellow variety, lightly marked with pink and white. Each 15c.

Guardian Angel.—Bright, clear pink color, nicely fringed; large size and very fragrant. Each 10c.

White Cloud.—A remarkable white carnation; blooms very early on strong stiff stems and continues to bloom the entire season. Flowers large, of fine shape and very fragrant. Each 10c.

Mrs. Frances Joost.—The most free flowering carnation we have. Flowers large; color beautiful clear pink, very fragrant. Each 10c.

Alaska.—A grand new pure white variety with finely fringed petals. Each 15c.

Mrs. Geo. M. Bradt.—Color clear white, heavily edged and striped with bright scarlet. Each 10c.

Jubilee.—Color intense scarlet of richest shade. One of the largest among reds; flowers full and well built; free continuous bloomer. Each 10c.

Flora Hill.—Considered by florists the best pure white variety. Flower is of enormous size and of rounded build; wonderfully free in bloom; good calyx. Ea. 10c.

G. H. Crane.—Of the most intensely brilliant scarlet, showing no tendency to fade; stems long and firm, holding flowers upright. Each 10c.

Enchantress.—This charming variety, offered for the first time this season, far surpasses other existing sorts. Cut blooms the past season readily sold at double the price of other choice varieties. It is the largest bloomer we have ever seen, measuring 4 to 5 inches in diameter, the stems being 24 to 36 inches in length. The flower is delicately perfumed and of a beautiful shade of pink color. Each 15c.

MCKINLEY DAY COLLECTION

Notice the five grand carnations—McKinley, Roosevelt, Improved American Flag, Gold Standard and Prosperity, illustrated and described on cover of catalogue.



ENCHANTRESS
CARNATION.

CHENILLE PLANT

(*Acalypha Sanderit.*)—A most striking ornamental plant of branching habit, healthy foliage and the flower spikes which appear in pairs from the axils of the leaves, grow from two to three feet in length. They are of bright crimson color, drooping and mixing among the green foliage with charming effect. Desirable both for outdoor bedding and in house for winter. Each 15c.



CHENILLE PLANT.

CHRYSANTHEMUMS.

These are now, and deservedly, the most fashionable of all autumn flowers. All these varieties are excellent for pot culture, and the best of their class.

Wm. H. Lincoln.—A magnificent golden yellow variety with straight, flat spreading petals. If you want an extra fine specimen plant, this is the variety. Each 10c.

Vivian Morel.—Deep, rosy pink, blooming very freely and giving as large flowers as many of the newer so-called "giants." Each 15c.

Yanariva.—The sensation of last season's flower shows. Resembling, but far surpassing the prize winners for two seasons past. Flowers immense, often measuring 8 to 9 inches through. Color delicate bluish, deepening at center. A splendid variety for pot culture. Each 15c.

Major Bonaffon.—Bright, clear yellow; the best for all purposes. Produces flowers six to seven inches across on straight, stiff stems of good length. An ideal Chrysanthemum. Each 15c.

Geo. S. Kolb.—A very pretty early white sort; dwarf, with nice, stiff stems. Fine for sprays. Each 10c.

Col. Appleton.—If you only have one yellow "Mum" let it be Appleton. It is a perfect model. Dwarf, stiff stemmed, elegant in foliage, enormous in bloom, finely incurved and golden yellow. Perfectly healthy. Each 15c.

Glory of the Pacific.—The earliest flowering light pink variety. Each 10c.

Mrs. Henry Robinson.—A perfect form of exceptional merit, large and well finished, medium early white, blooming with us October 5th. Fine substance; very lasting. Each 10c.

Golden Wedding.—Of a rich golden yellow color; intensely dazzling; flowers 10 to 12 inches in diameter; petals broad and long, double to center. Each 10c.

Silver Wedding.—Very much like the above but of pure silvery white. A grand novelty. Each 15c.

Willow Brook.—Early; profuse bloomer; pure white. Each 10c.

Ivory.—One of the very best varieties for pot culture or cut flowers. Vigorous, compact grower and makes handsome specimen with very little training. Pure white flowers of exquisite form and finish. Each 10c.

Pink Ivory.—A sport from and identical with Ivory in every respect except color, which is a beautiful shell pink. Each 15c.

Cullingfordii.—A rich crimson maroon, quite unequalled for brilliancy and velvetiness. Each 10c.

Mrs. Perrin.—Wonderfully clear, bright pink, the brightest shade of pink yet produced in chrysanthemums; globular, incurved form with satiny finish. Each 10c.

Christmas Eve.—The latest of all white chrysanthemums. Flowers of immense size borne on long stems, and very desirable both as a pot plant and for cutting, as they are good keepers. Each 15c.

Timothy Eaton.—A globular Japanese incurved variety of perfect form and growth. Color pure white when fully developed. A prize winner at all shows last fall. Each 15c.

Louis Boehmer.—The splendid new pink ostrich plume chrysanthemum. Grand flowers of globular form; petals broad and lasting and thickly covered with fine downy hairs so much admired. Color deep, rich pink; solid and fine. Strong and vigorous plant. Each 10c.

Child of Two Worlds.—An exquisitely beautiful variety like above but pure snowy white. Each 15c.

Bronze Plume.—Like Louis Boehmer, but of a handsome bronze color. Ea. 10c.



CHRISTMAS EVE CHRYSANTHEMUM.

CRIMSON VELVET PLANT.—(*Semura Aurantiaca*.)—This is one of the rarest and most beautiful foliage plants in cultivation. Of very robust and branching growth, yet remains dwarf and compact. The leaves and stems are covered with minute hairs, which reflect the new and beautiful shades of colors—such as orange, crimson, purple, blue, green, a veritable kaleidoscope, changing its hues with every movement of the foliage. Desirable for pot culture, vases or bedding. Each 15 cents.

CACTUS.—To some persons these curious plants are more interesting and attractive than all others, and we therefore offer them here. We have many choice varieties at 10c to 25c each. A collection of 10 varieties for \$1.50 postpaid.

Night Blooming Cereus.—This gorge us cactus bears abundant blossoms measuring 12 inches across. Very fragrant. Each 15c.

CROWN OF THORNS.—(*Euphorbia*.)—Very curious and remarkable window plant. Strong-growing creeper or climbing plant that can be trained over any desired form, and when full of its large, bright scarlet flowers, which almost cover the deep, glossy green leaves it is an object of rare and striking beauty. Easily grown. Grows wild in Judea, and it is claimed that it was from this plant that the crown of thorns was made which was worn by our Saviour. Each 25c.

FEVERFEW.—Well-known popular plant loaded with pure white, double, button-like flowers. Our Feverfew is an improved variety with extra large flowers and a good bloomer. Each 10c, doz. 75c.

FORGET-ME-NOT.—Everyone loves the charming little Forget-Me-Not, and it seems strange that it is not more often seen in our gardens. They are easily grown and will bloom freely and will continue to thrive and bloom year after year, being perennial and perfectly hardy, with only a slight covering. Plants grow twelve inches high and will thrive in most soils, though they prefer moist, sandy situations. Each 10c, dozen 75c.

GENISTA, or Shower of Gold.—A most desirable plant. The drooping branches are covered with delicate sage green foliage and every twig is tipped with a long raceme of exquisite pea-shaped blossoms of a pure canary color almost hiding the foliage. Each 10c.

IVIES.—English.—An old favorite vine, showy the year around if properly grown. Each 10c, large 25c.

Variegated English.—Foliage very prettily marked with pure white on a dark green ground. Handsome as a pot plant in the window or for trailing from the edges of boxes or baskets. Each 15c.

German, or Parlor.—A popular vine for hanging baskets and window boxes. Each 10c.

ICE PLANT.—Interesting from its being covered with ice-like crystals. Flowers very pretty. Each 10c.

GREVILLEA or Silk Oak.—One of the quickest growing of any of the ornamental house plants. It is easy to manage, grows rapidly and is pretty in all stages of growth. With its long, drooping, silky foliage, it reminds one of a palm or fern. The young growths are of a light bronze color, the tips being covered with a soft down closely resembling raw silk. Each 15c.

IMPATIENS SULTANA.—Beautiful flowering plant producing waxy, bright, flowers almost continually, winter and summer; suitable for either pot or garden culture. Plant of compact growth and almost a perpetual bloomer. Each 15c.

CYCLAMEN.—Charming bulbous rooted plants, with beautiful foliage and rich colored, orchid-like fragrant flowers, universal favorites for winter and spring blooming. Each 15c. Larger size 25c.



JUPITER FUCHSIA.

FUCHSIAS.—These, when in full bloom, are the most graceful of all cultivated plants; nothing surpasses the beauty of well grown specimens.

White Phenomenal.—The grandest double white variety in existence and one which should be in every home. Each 15c.

Jupiter.—A new giant flowered variety from France. The flowers are of really mammoth size with very rich violet purple corolla. Tube and sepals bright crimson. Plant is a strong hardy, free grower. Each 15c.

Phenomenal.—Same size as the Jupiter, but of much darker color. The flowers are of enormous size, a single flower measuring three inches across; sepals bright scarlet with rich purple corolla, very double, flaked with red. Each 10c.

Monarch.—This new fuchsia is by far the largest of the single flowering varieties. Its immense blooms are of a very dark purple color. Each 10c.

Black Prince.—Tube and sepals bright waxy carmine, sepals large and broad with pale green tips; large, open, pale pink corolla. Easily grown in tree form, and we had at one time a plant seven feet high, loaded with two thousand flowers at once. Each 10c.

Storm King.—Large double flowers. The sepals are glowing scarlet crimson, corolla delicate waxy white, elegantly pencilled with deep, bright crimson. Ea. 10c.

Trailing Queen.—Of beautiful trailing habit; fine for hanging baskets. Bright rich scarlet and purple flowers. Each 15c.

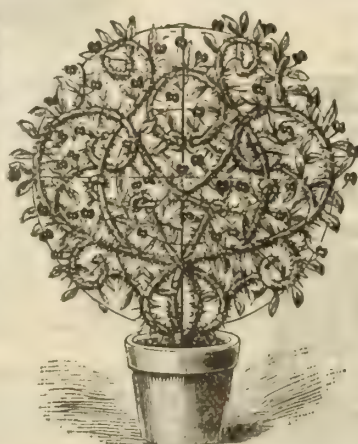
Speciosa. Sepals bluish, corolla carmine. Best winter bloomer. Each 10c.

Little Beauty.—Tube and sepals bright red; corolla deep purple. Each 10c.

Lottie. Carmine corolla; tender rose sepals and cream colored tube. Each 10c.

Rose of Castile.—The best single summer blooming fuchsia. Blush pink with violet corolla. Each 10c.

FARFUGIUM.—Grande.—A beautiful ornamental foliage plant, either for pot culture or for planting in open border in shaded position; leaves 8 to 10 inches in diameter, are of a thick, leathery texture, dark green color, with bright yellow spots. Each 20 cents.



CROWN OF THORNS.



GREVILLEA OR SILK OAK.



CYCLAMEN.

CLERODENDRON.—Balfouri.—A unique and beautiful climbing plant. It presents a splendid combination of colors, having bright scarlet flowers with creamy white calyx; a profuse bloomer, young plants a foot high often bearing several clusters. A strong and rapid grower; can be grown with success as a pot plant in the house or planted as a summer climber in the garden. Each 15c.

HYDRANGEA.—Otaska.—A Japanese variety used extensively for Easter decorations. Produces enormous trusses of intense pink flowers. Makes excellent specimen plants for the porch or lawn. Blooms the entire season. Each 15c.

Thomas Hogg.—The immense trusses of flowers are at first slightly tinged with green, changing to the purest white. Each 15c.

Paniculata Grandiflora.—This perfectly hardy variety is considered the finest of all hardy shrubs. Flower heads 6 to 15 inches long, pure white changing to pink. In bloom July to October. Each 15c, large size 35c.

HIBISCUS. A large, shrub-like, woody plant bearing immense double or single flowers. Various colors. Each 15c.

HOYA.—Carnosa.—(Wax Plant.) The well known house climber, with thick, fleshy leaves and curious waxy flowers. Each 25c.

IRISH SHAMROCK. A pretty little plant and quite popular with the Irish. Resembles clover in shape of leaf. Each 10c.



CLERODENDRON.

DOUBLE GERANIUMS.

Geraniums are the most easily grown and satisfactory of all flower plants and only the rose can vie with them in popularity. We have about 200 varieties growing at our place and test a large number of sorts every year. After careful comparison we have selected the following and those described in the Novelty List as the best:

JEAN VIAUD.—Very large semi-double blooms borne in large trusses well above the foliage; individual floret large, color bright rosy pink with distinct white blotch in the center. Each 15c.

BRUANTI.—One of the finest bedding sorts. As will be seen by illustration the leaves are beautifully zoned and therefore showy at all times. Flowers are a bright vermillion red; trusses large, often eight inches in diameter. Each 10c, doz. \$1.00

OLD GLORY.—This grand novelty which we introduced has immense trusses, sometimes six inches in diameter, of magnificent, large, semi-double flowers which cover it so as to almost hide the foliage. The color is a clear, bright, rosy pink, the upper petals are spotted with pure white which adds to its brilliancy. During the hottest, driest midsummer weather "Old Glory" was as fresh and sweet as if just watered by an April shower. Each 15c, doz. \$1.40.

VERA VEND.—Truss and florets are both of good size; semi-double and very open with large petals, the borders of which are rosy orange, striped with white and delicately marbled and striped with orange. Each 10c.

REMARKABLE.—An intensely double variety of dwarf, compact growth and therefore desirable for pot culture as well as bedding. The florets, which look like little rosebuds, are of a dark scarlet crimson color. Each 15c.

MRS. E. G. HILL.—A most distinct and pleasing shade of salmon with light shading at the center. Each 10c, doz. \$1.00.

S. A. NUTT.—The best crimson bedding Geranium. This, the finest of dark crimson geraniums, has now taken the lead as a bedding variety, being used in the largest parks and public grounds of the country in preference to all others. Its dense, compact growth, profuse blooming qualities and sun-proof constitution combined give it the prominence as a bedder it has attained. As a pot plant it cannot be excelled. We sell many thousands of these for borders and large beds. Each 10c; doz. 85c; by express, not prepaid, 50 for \$2.75; 100 for \$5.00.

CONTRASTE.—Flowers and trusses are very large; lower petals orange and carmine, upper petals clear orange, making a striking contrast. Each 15c.

DOUBLE NEW LIFE.—A great novelty and it is a sensational departure in every way. The outer petals are large and of a brilliant red. In the center of these appear another semi-double floret, pure white in color, effecting a very charming contrast difficult to realize unless seen, and having the appearance of being produced artificially. This very novel geranium was lately sent out in England by subscription at a fabulous price. Don't fail to have it if you like rare, beautiful flowers. Each 15c, doz. \$1.50.

BLUE BEAUTY.—A European variety of a new color, heretofore unknown in geraniums, being of a most beautiful violet or purplish crimson with a blue sheen over the surface. The flower is double and the three upper, outside petals have a spot of clear vermilion near the base, which makes the flowers more brilliant. The blue tint shows better after flower is fully out. Each 20c.

MARVEL.—Rich crimson scarlet, large flowers and truss; free flowering. One of the best bedding sorts. Each 10c.

IMPROVED LA FAVORITE.—What S. A. Nutt is among dark crimsons, La Favorite is among whites; without doubt the best double white geranium ever offered. It is a strong grower, a profuse bloomer. Each 10c, doz. 85c, by express not prepaid 50 for \$2.75; 100 for \$5.00.



BRUANTI.

GLORY DE FRANCE.—Large round flowers of waxy appearance, color white with carmine center, each petal being delicately edged with carmine. Each 10c.

J. RICAUD.—A very fine, free flowering, double variety with enormous sized trusses on strong footstalks; flowers purplish crimson, center distinctly marked white. Each 15c.

ALPINE BEAUTY.—An exquisitely fine new double white. Ea. 10c.

GOLDEN DAWN.—The nearest yellow of any geranium grown. Has rich orange scarlet double flowers. Each 15c.

PELARGONIUMS.

Commonly known as Lady Washington Geraniums, and the improved large flowering sorts are undoubtedly the most beautiful of all geraniums. Is highly prized everywhere for house culture and for winter blooming.

Mrs. Robert Saniford.—A grand, double white variety; the flowers are extra large, perfectly double and beautifully laced and ruffled; the color is glistening snow white, exceedingly beautiful. Each 25c.

Victor.—Bright, cherry red with white markings at base of petals, upper petals heavily spotted with deep maroon. Each 20c.

Captain Raikes.—A grand ruffled or fringed variety with very large flowers borne in large, finely shaped trusses. Color bright red, with lighter center, heavy maroon blotches in upper petals. Each 25c.

Kingston Beauty.—This is one of the best varieties, large, white with beautiful plum-colored center that gives it an unique appearance. Each 20c.

Dr. Andre. A fine strong grower, light carmine-pink, marked and veined purplish crimson. Each 20c.



DOUBLE NEW LIFE.

FANCY LEAVED GERANIUMS.

MRS. POLLOCK.—Magnificent. Green leaf disc overlaid by beautiful bronze red, belted with bright crimson, outwardly margined with golden yellow. Each 15c.

MARSHAL McMAHON.—Golden yellow, marked with a deep chocolate zone. A splendid bedding variety. Each 15c.

MAD SALLEROI.—A very compact variety of silver leaf geranium; fine for massing or bordering; thrifty, leaves green, edged white. Each 10c; doz. 85c.

CRYSTAL PALACE GEM.—Yellow with green disc; fine bedder. Each 10c.

DISTINCTION.—Round green leaves, with clear black circle. Each 10c.

MOUNTAIN OF SNOW.—Finest of this class for ribbon lines or massing; center of leaf bright green, margin broadly marked silver white; scarlet flowers. Each 10c.

HAPPY THOUGHT.—A tri-colored geranium with dark green foliage, light cream white center with dark band about the light zone; flowers bright scarlet. Each 10c.

GOLDEN CIRCLE.—Green foliage, narrow golden yellow edging, flower scarlet. Each 10c.

SUNSET.—Handsome bright green foliage, with a broad border of creamy white and an inner circle of maroon. Each 15c.

MRS. PARKER.—A grand new silver leaved variety with double pink flowers. A unique novelty. Each 20c.

WM. LANGGUTH.—A remarkably beautiful sort. Leaves variegated green and pure white; flowers double crimson scarlet and unusually large. Each 25c.



LA FAVORITE.

A BEAUTIFUL SET OF TEN FANCY LEAVED GERANIUMS FOR \$1.00, POSTPAID.

SINGLE GERANIUMS.



AUREOLE.

FLEUR POITEVINE.—Extra large single flowers, brilliant rosy carmine, marked and striped with pure white, center orange scarlet. Each 10c.

AUREOLE.—(*Mad. Bruntii*)—A fancy flowered sort, remarkable colors. Plant is loaded with blooms and each floret is large, center being white, beautifully veined with carmine lake, radiating into a handsome aureole, each petal being bordered with bright sofferino. Fine pot plant and constant bloomer. Each 15c.

WONDER.—One of the finest French novelties and a wonderful bloomer. Flowers are most intense dazzling scarlet and are borne in great trusses of enormous size, measuring from 18 to 20 inches in circumference, with single florets measuring 7 inches in circumference. Each 10c.

CARMEN SYLVA.—The grandest single pure white geranium in existence. It is of vigorous, healthy growth and blooms profusely, the plant being loaded with immense trusses of bloom which do not turn pink even in the most severe weather. Each 15c.

COLUMBIAN.—Brilliant scarlet with large, strong trusses; it may be classed as one of the freest bloomers in cultivation. Each 10c.

MRS. J. M. GARR.—One of the finest single white bedders. The plants are a mass of bloom all summer. Each 10c.

RENOMMIE LYONAISE.—Center of florets white, surrounded by a rose and broad scarlet border, giving it a very brilliant effect. Each 15c.

ALICE OF VINCENNES.—A charming novelty which has a border of intense scarlet, forming a band around the body color of rosy pink, heavily veined with scarlet, center white. Each 15c.

ANDREW LANG.—Glowing scarlet, with white blotch on upper petals, center of flower surrounded by aureole of rich carmine, trusses immense and borne in greatest profusion. Each 15c.

BLACK PRINCE.—Very dark, rich velvety crimson. The nearest black known in single geraniums. Each 10c.

CHAMPION.—Elegant large flower, of carmine crimson. Each 10c.

ELECTRIC.—Very large flower of most brilliant scarlet color with distinct white eye. Each 10c.

MARQUIS DE CASTELLANE.—Flowers are very large, perfect in form and borne in large trusses. The color varies from a brilliant cerise to a bright cherry red, with brilliant carmine shadings. Each 15c.

SOUVENIR DE MIRANDE.—One of the handsomest and most satisfactory of all. It has nicely formed, round florets, upper petals cream white, with distinct salmon rose border; lower petals salmon rose, streaked with pure white; very free flowering and produces fine trusses of magnificent blooms. Each 10c, doz. \$1.00.

IVY LEAVED GERANIUMS.

EDEN MARCHI.—Handsomest of the ivy leaved sorts. Has enormous sized flowers; color, beautiful salmon rose, slightly shaded violet. It is an improvement on the Charles Turner. Is a strong, free grower, producing flowers at almost every joint which are full double and perfect in form. Each 15c.

CHARLES TURNER.—Very double; color rich, deep pink. Each 10c.

VARIEGATED IVY GERANIUM.—This is quite a novelty and will attract attention anywhere. Leaves handsomely variegated pure white and dark green; frequently margined also with pink. Each 25c.

JEAN DE ARC.—Very large and finest white in existence; perfectly double, white as snow, flowers literally cover the plant when in full bloom. Each 10c.

P. CROZY.—A hybrid between the Zonales and Ivies. Color soft, bright scarlet with veins of maroon. Each 10c.

GARDEN'S GLORY.—Fine, bright scarlet; large bold, full flowers; constant bloomer; one of the very best. Each 10c.

Set of Six Ivy Leaved Sorts for 60c.



SOUVENIR DE MIRANDE

SWEET SCENTED GERANIUMS.

LADY PLYMOUTH.—A beautifully variegated variety of the Rose Geranium. Propagates slowly and the demand usually exceeds the supply. Each 20c. **NUTMEG.**—Small leaves with nutmeg perfume. **OAK LEAVED.**—Beautiful foliage resembling oak leaves, black center with green border. **ROSE SCENTED.**—Two kinds. Broad leaf and cut leaf. This is the most popular of all scented geraniums. **SKELETON LEAVED.**—Leaves very finely cut; rose fragrance. **BALM.**—Has delicious balm fragrance. **LEMON.**—A nice little plant of bushy growth, with delightful lemon fragrance to the leaves. **FERN LEAVED.**—A most delicate cut-leaved geranium of delightful fragrance; very free growing. The leaves are valuable for mixing with cut flowers. Each 15c. **ORANGE SCENTED.**—Quite fragrant. **MRS. TAYLOR.**—A scarlet-flowered rose geranium. The blooms resemble the pelargonium, but are smaller and of bright scarlet color. Blooms constantly. **PEPPERMINT.**—A rare variety with thick, "hairy" leaves and refreshing peppermint fragrance. Each 15c. **APPLE.**—A great favorite, having strong apple scent.

Any of the above varieties 10 cents each, \$1.00 per dozen, except where noted.

PANSY GERANIUM.

Flowers of medium size and have white throat. Each petal is shaded toward the center with a rich lavender pink and a dark maroon blotch in the center. Very handsome; will attract attention. This new and beautiful geranium is of easiest growth, dwarf in habit and literally covered with flowers, and as it requires little or no attention. It is invaluable as a window plant. Colors and markings of flowers are most extraordinary. Each 25c.



IVY GERANIUM—EDEN MARCHI. (One-half natural size)

PREPARE FOR A SHOWY BED OF CANNAS THIS YEAR. OUR STOCK IS UNSURPASSED.

ELECTRIC COLLECTION.

If you desire the most brilliant and beautiful flower garden you have ever had, do not fail to order our Electric Collection this year. It consists of one full sized packet each of the following **Six Varieties for only 35 Cents**:

ELECTRIC LIGHT PLANT.

Grows readily from seed, making a bushy plant four feet high, covered throughout the season with large spikes of flowers, from six to nine inches long. They are pure white at the base and range through various shades, from rose to bright red, to the end of the spike. One of the finest ornamental plants for massing. Pkt. 10c.

AMERICAN BANNER LARKSPUR.

This handsome flower originated on our grounds and was so distinct from all other flowers that it sprang at once into favor. The illustration represents a single stem showing how loaded the plants are with flowers. The name American Banner was given it because it is the only flower we know of that combines the national colors—red, white and blue—in each flower. Plants grow to a height of about 2 feet, of good, regular shape, with delicate fern-like foliage, a vigorous grower, and it is not injured by dry weather. The plants are fairly loaded with long spikes of double striped and blotched flowers, having the various shades of pink, carmine, dark blue, purple and white, delicately and beautifully bled, sometimes four or five shades on a single floret. Pkt. 10c.

IMPERIAL SWEET PEAS.

This mixture is a great improvement over anything you have hitherto tried. It contains seeds of the finest strains produced by expert hybridizers in recent years. You will be astonished at the strong vines, large, perfect flowers and very beautiful colors. Pkt. 5c, oz. 10c, $\frac{1}{4}$ lb. 25c, lb. 75c.

GIANT FANCY PETUNIA.

A most magnificent strain of the mammoth flowered Petunias, and undoubtedly the finest of all. Many of the flowers are beautifully ringed and ruffled and of the most beautiful shades and markings. See full description on novelty pages. Pkt. 15c.

GOLD AND SILVER FLOWER.

A great novelty from New South Wales botanically known as *Polycalymna* which we introduced last year. We were much surprised and pleased at the beauty of this flower, and we are sure our customers will be. The plants have long, narrow leaves while the flowers somewhat resemble small quilled asters about $1\frac{1}{2}$ inches in diameter or just the size of a silver dollar. The plant is literally covered with these flowers, our cut being a very poor illustration of the bush. Flowers are silvery white, while center petals are yellow, giving the appearance of a five dollar gold piece laid in the center of a silver dollar, which at a few feet distant is quite striking and has given the plant its name. It is intensely double; blooms freely and is decidedly ornamental not only in beds, but also for cut flowers. This is not all however, as the flowers not only retain their beauty like other flowers when kept in vases, but they are everlasting and look as pretty when dry as fresh, so that the cut flowers can be kept in good condition. Pkt. 10c.

DOUBLE CALLIOPSIS.

Many of our customers consider this one of the most attractive of all the garden flowers. Resembles the old Calliopsis, (or Coreopsis) but is quite double. Pkt. 10c.

BRILLIANT COLLECTION.

Consists of Five of the most desirable Plant Novelties. Every one is a "gem of the first water," and will please and delight all flower lovers. Price for the collection only 50 cents postpaid:

MRS. C. N. PAGE SALVIA.—This variety introduced last year has proved to be the finest sort ever offered. It is of dwarf growth seldom more than 15 inches high, and is very compact; literally covered with long spikes of bright scarlet flowers. Begins blooming in July three weeks before any other variety of Salvia and blooms constantly until October. There is no other variety which produces half as many flowers to the plant, and they are so thick that when plant is at its best a person standing over it can scarcely discern the leaves, it being one solid mass of bloom of fiery brightness. As Salvias are now becoming one of the most popular of bedding plants, taking the place of scarlet geraniums, we predict a great run for this new sort. Heretofore the only objection to Salvias has been their late blooming, but that is now overcome in this new sort. Each 15c; dozen \$1.50.

ANNA FOSTER FERN.—A beautiful new variety of the Boston Fern having broad fronds and the petals are finely cut or divided into little leaflets, thus giving the plant a most beautiful and graceful effect. It is one of the most charming plants for growing in pots, vases or hanging baskets in the house, as it is very little affected by gas or the dry atmosphere of the ordinary living rooms. Will instantly attract the attention of everyone, and a well-grown specimen one year old will readily sell at the florist's at \$1.00 to \$3.00 each. We have propagated a large lot of healthy young plants which we offer at only 20c each, 6 for \$1.00.

BESSIE BROWN ROSE.—This is called by rose specialists the finest new variety which has been brought out for many years past. It is a hybrid tea variety which originated in England. Blooms are very large in size full, double and of perfect shape; color, creamy white flushed and tinged with pink, especially at the edges of the petals which are shell shaped. It was awarded eight prizes at the great English floral exhibition. Blooms freely; of sweet fragrance, and is just the thing for wearing. Each 15c.

PRINCESS OF WALES VIOLET.—May well be considered the most beautiful of all violets. Is very free flowering and has broad, pansy-like flowers of a beautiful violet purple shade, with lighter center. Has a delicate pervading fragrance. Is a vigorous growing plant with clean, healthy foliage and stiff, long stems. Each 15c, doz. \$1.25.



GOLD AND SILVER FLOWER.

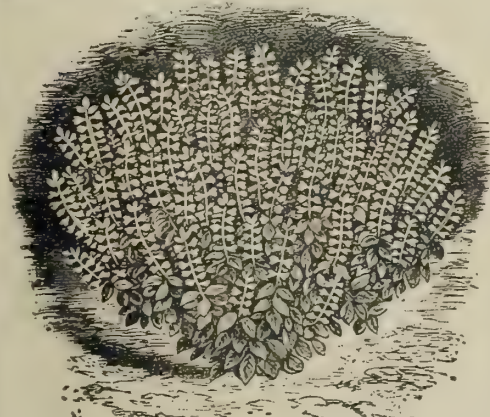
SILVER-LEAVED S. A. NUTT GERANIUM.—Everyone knows the S. A. Nutt Geranium which for six or eight years past has been universally admitted to be the best bedding variety as well as the most popular. This grand new variety which is now offered for the first time is precisely like it in vigor of growth and great blooming qualities, but has the further advantage of beautiful, dark green leaves bordered with pure snowy white. Flowers are of large size and borne in large trusses. Color rich, dark crimson of a truly glowing hue. Beyond doubt the most desirable new variety offered for many years and is sure to become popular, as it is not only of great value for bedding but also as a pot plant. A much stronger grower than Wm. Languth. Price 20c.

One plant each of the above five novelties for only 50 cts.

A BEAUTIFUL CANNA BED.

If you want to thoroughly enjoy your flowers this year, be sure to have a nicely arranged bed of cannas. Both the foliage and flowers are beautiful and they bloom constantly. Set the plants 18 inches apart each way, using the taller ones for the center and the dwarfier kinds for outer circles with shortest ones at edge.

For a 7 foot bed we will send postpaid 19 plants in three different varieties, one for center, 6 in next row, 12 outside for \$1.75. For a 10 foot bed we will send postpaid 37 plants in four different varieties, 1 for center, 6 in next row, 12 next and 18 for border for \$3.50. For a 13 foot bed we will send postpaid, or free by express, 62 plants in five different varieties, 3 in center, 5 in next row, 12 next, 18 next and 24 outside for \$5.50. The above special beds are entirely our selection of varieties, but are all choice sorts suitable for growing together and will make grand beds.



MRS. C. N. PAGE SALVIA.

ADDRESS IOWA SEED COMPANY, DES MOINES, IOWA.



ELECTRIC COLLECTION

1	ELECTRIC LIGHT PLANT,	10¢
2	AMERICAN BANNER LARKSPUR,	10¢
3	GIANT FANCY PETUNIA,	15¢
4	GOLD AND SILVER FLOWER,	10¢
5	DOUBLE CALLIOPSIS,	10¢
6	IMPERIAL SWEET PEAS	5¢

THE 6 PACKETS FOR 35¢



BRILLIANT COLLECTION

7	SALVIA MRS. C. N. PAGE	15¢
8	FERN ANNA FOSTER	20¢
9	GERANIUM SILVER LEAFS. A. NUTT	20¢
10	ROSE BESSIE BROWN	15¢
11	VIOLETS, PRINCESS OF WALES	15¢

5 PLANTS WORTH 85¢
FOR
50¢



JAPAN PEPPER—Surprisingly pretty house plant. Makes a round compact bush twelve to fifteen inches in height with dark olive green leaves and covered with curious little heart-shaped fruits of various bright colors—purple, white, yellow, orange and red on the same bush. Each 15c.

MUSK PLANT—This is the true musk plant and has a refreshing, delightful fragrance which becomes quite strong and pervading when the leaves are rubbed. It is a pretty little plant and of much value for pot culture and bedding. Flowers yellow. Each 10c.

MAURANDIA—Graceful climbers for window or conservatories or open ground in summer; admirable to hang from vases, cover stumps and low trellises, flowering freely. Each 10c.

MOUNTAIN PINK—A fine plant for baskets or rockeries. Flowers bright pink, two inches in diameter. Each 10c.

MONARDIA DIDIMA—Strong growing plants, from two to three feet high, dense foliage, aromatic and sweet scented. Large spikes or heads of intense, rich, deep scarlet flowers. It flowers throughout July and August. Each 10 cents, dozen \$1.00.

MOON FLOWER—A very handsome climber, growing to a height of twenty-five to forty feet, and covered nightly and on dull days with its white, moon-like flowers five to six inches in diameter. Each 15c.

MANETTA—Bicolor.—One of the handsomest little vines in existence. It is easily and quickly grown and blooms continuously. It is well adapted for hanging baskets, pot culture, vases or bedding. The flower is of the size and shape shown in our illustration, and of brilliant scarlet, tipped with clear golden yellow, making it most wonderfully attractive. Manetta Bicolor blooms constantly and profusely during all the summer months out of doors and all of the winter months when taken into the house. We heartily recommend this vine to one and all of our customers, and feel assured of no complaint when tried. Each 10c; large size 25c.



MANETTA BICOLOR.

OTAHEITE ORANGE—An extra fine pot plant, with glossy green leaves, the true fragrant orange bloom and abundant little bright oranges that will hang on the little bush like balls of gold for six months after they are ripe. With good culture they are never out of fruit from one year end to another and at least two-thirds of the time are in flower also. In beauty, race and fragrance there is nothing like its delicate, leafy sprays of bloom. Fine plants for blooming and fruiting at once. Each 20c.

OLEANDERS—These old fashioned shrubs are becoming popular again. No plant makes more handsome specimens in tubs for the veranda or yard. Each 25c.

OTTHONA, or PICKLE PLANT—A very pretty plant for basket culture. Each 10c.

OXALIS—Golden Star—(*Orgiesi*).—A shrubby plant, about 12 inches in height, branching freely; loaded at all times with clusters of bright golden star-shaped flowers. Each 15c.

Bermuda Buttercup—Fine for pot culture. As many as fifty flower spikes have been produced by a single well grown plant and as many as one thousand flowers in a season. Flowers are pure bright yellow. Each 10c.

LEMON VERBENA—A universal favorite, invaluable for its fragrant leaves. They will retain their fragrance for years when dried. As a plant for the garden or for pots it is equally valuable, its fine sprays of foliage and delicious fragrance making it desirable for bouquets, etc. In good rich soil each plant will cover a space of three to four feet in diameter. Each 10c.

LANTANA—We consider this one of the most satisfactory plants grown. It is the flower for everybody both for outdoor bedding and blooming all winter in house. It has a flower somewhat resembling the Verbena, borne on a woody, bush shaped plant. The flowers embrace all shades of orange, sulphur, lilac, red, pink, white, etc., changing from one distinct color to another as they increase in age and development.

Javol—The best, largest and freest blooming white variety. Everyone will be pleased with it. Each 15c.

Perfection—New variety with beautiful flesh and yellow flower and golden variegated foliage. Each 10c.

Patriot—Elegant rich orange color, changing to pink as the flower grows older. Each 10c.

Gold Cup—A dwarf compact grower, with very pretty lemon yellow flowers, having golden yellow center. Each 10c.

Amiel—Semi-dwarf, very compact, fine bloomer, umbel and floret fine size. Reddish orange with yellow center. Each 10c.

Weeping—A beautiful trailing variety, very desirable for planting in hanging baskets, vases, pots or open ground. Bears an immense profusion of lovely clear pink flowers from early summer until late in the fall. Each 10c.

LOBELIA—Handsome trailing plants, profuse bloomers; elegant for baskets, vases and borders. Each 10c.



PERFECTION LANTANA

HELIOTROPE—Czar.—A new plant flowering very dark colored sort, almost black. Each 15c.

Czarina—A fine companion for the above. It grows a trifle taller and bears an enormous truss of deep indigo blue flowers with clear white eye. Each 15c.

Jersey Beauty—Very large trusses of blue flowers. Each 10c.

Madam Blonay—Immense truss; very light colored flowers. Each 10c.

Snow Wreath—Superb large clusters of deliciously fragrant flowers, near white. Each 15c.

JASMINE—Maid of Orleans—A beautiful plant of easy culture, fine grower, good bloomer, very fragrant and of elegant waxy white appearance. Each 20c.

Night Blooming—World famous variety, producing pure white fragrant flowers incessantly. Each 15c.

MARGUERITES—(or *Paris Daisy*).—**White**.—A French improvement on the old White Marguerite which has for years been so popular. Much larger and will produce ten times as many flowers. Each 10c.

Yellow.—Similar to the above, but of a very pretty canary yellow color. It blooms freely and continuously. Each 10c.

Blue.—A strikingly beautiful flowering plant, producing an abundance of clear sky blue flowers. Plants are fairly loaded with the flowers, which are very desirable for cutting. Each 10c.



OTAHEITE ORANGE.



BABY PRIMROSE

FERNS.—We have many choice varieties of these delicate appearing, attractive plants at prices from 10c to \$1.00 each. Collection of eight varieties for \$1.00.

Sword Fern.—One of the most popular sorts. Splendid for pots, vases or hanging baskets, especially desirable grown in the wire hanging baskets in which they thrive well and make very ornamental plants. Each 15c.

Maiden Hair.—Very popular; the most graceful and useful of all for cut flower work. Each 15c.

Moss Fern.—(*Selaginella* or *Lycopodium*.)—Has delicate lace-like foliage. Fine for fern dishes and always beautiful. Each 1c.

Mikado Fern Ball.—Quite a novelty from Japan and a beautiful thing when well grown, but it is rather difficult to grow them satisfactorily in the dry atmosphere of an ordinary house. Largely advertised in the east. In dormant state. Each 50c postpaid.

PETUNIA.—Double. —One of the grandest, most beautiful plants for massing, mixed borders and vases. The brilliancy and variety of its colors, combined with the duration of its blooming period, render it invaluable for garden decoration. Our stock is unsurpassed and includes best blotched and fringed sorts. Mixed varieties. Each 10c, dozen 90c.

Crimson Queen.—One of the best crimson petunias. Each 10c.

Fantasa.—A handsome double white and purple petunia. Very striking variegation. Each 15c.

Fritz.—This is a decided novelty. The ground work of the flower is a deep purple, which is beautifully marked and pencilled with cream, white and pink, the whole forming a most gorgeous combination. Each 15c.

Helen Gould.—A beautifully fringed pink variety. Each 10c.

Sea Foam.—A new double white fringed variety; unsurpassed among fringed sorts for purity of color, size, form and vigor of growth. Each 15c.



FANTASA DOUBLE PETUNIA.

PRIMROSE.—The Baby. —(*Primula Forbest.*)—It is a wonderfully free blooming plant, commencing to flower as soon as born. It forms a dense rosette of somewhat fleshy leaves from which spring the flowering stems, twelve, fifteen and even twenty inches tall, supporting three tiers or whorls of dainty flowers of a delicate rosy lilac, with eye of pale gold. The flowers are not more than a half inch in diameter, but they are produced in great abundance from September until June. Each 10c.

Mexican.—Is a perpetual bloomer, in flower all times of the year, a good specimen showing always from ten to thirty large saucer shaped blossoms two to three inches across, of several beautiful colors. Each blossom keeps perfect many days before fading and when it droops others are out to take its place, and this succession of beauty is continued. Ea. 10c.

Obconica.—A lovely perpetual blooming primrose. The flowers are of rose lilac, shading to white. Each 10c.

Chinese.—One of the most popular flowers for winter blooming. Each 10c.

PENTSTEMON.—One of the most beautiful and useful hardy perennials, produces large spikes of flowers as handsome as the most rare sorts of Gloxinias and greatly resembling them. Give good culture and it will bloom from July to October and attract much attention, as few persons have ever seen it. Each 15c. dozen \$1.25.



SWORD FERN.

Psyche.—White suffused with pink and mottled purplish crimson. Each 15c.

Snow Queen.—White varieties are always scarce; this is an extra choice new double white petunia which for profuse flowering qualities is unsurpassed and for keeping has no equal. Each 15c.

RUSSELIA.—Elegantissima. —A pretty little plant producing hundreds of bright scarlet flowers. Each 10c.

STEVIA.—Serrata. —A pretty flowering plant, largely grown by florists in pots for blooming in the fall and winter. Plants are of upright growth, eighteen inches in height, producing numerous sprays of small white florets, of delightful fragrance. Not hardy and therefore should be potted in the fall for winter blooming. Each 15c.

Variegated. A beautifully variegated green and white leaved variety of above of great value for ribbon beds and borders. Each 15c; dozen \$1.50.

PLUMBAGO.—Capensis. There is no plant in our greenhouse that has caused more exclamations of delight than these beautiful heavenly blue Plumbagos. They are most excellent pot plants, flowering freely at all times of the year. Flowers are borne in large clusters and are exceedingly beautiful in color. They are of very easy culture, growing in any situation as freely as geraniums. Each 10c.



MEXICAN PRIMROSE.

PALMS.—The most elegant and highly decorative of all plants and the low prices at which they are now offered place them within the reach of all. The following are the most desirable for house culture.

Latania Borbonica.—or *Fan Palm.*—One of the most popular varieties grown, prized especially for its beautiful, large, fan-shaped leaves of deep glossy green. Each 25c; large plants by express, 50c to \$5.00 each.

Kentia.—This is considered one of the hardest and best palms in cultivation. A rapid grower. Each 35c; large plants by express, \$1.00 to \$5.00 each.

Chamaerops.—Handsome fan-leaf palm of rapid, easy culture. Very valuable and useful for outdoors during the summer. Each 20c.

Washingtonia Filifera.—This variety has an elegant dark green fan-shaped leaf, from which hang thread-like filaments. Very desirable. Each 25c.

Cycas Revoluta.—*Sago Palm.*—Magnificent plants of noble and majestic habit. Their heavy, glossy, deep green fronds resist alike the gas, dust or cold. Strong young plants are 50 cents each postpaid; large specimen plants at \$1.00, \$2.50, \$5.00 and \$10.00 each, according to size, by express.

PANSIES.—Pansy plants are quite a specialty with us and we sell immense numbers of them every year. Our plants are grown from the very best quality of seed and are strong and vigorous and have beautiful large velvety flowers of all shades of colors known in pansies. Extra large strong plants, 50c per dozen; four dozen for \$1.50 postpaid. Smaller size 25c per doz., five doz. \$1.00.

PLUME POPPY.—(*Bacanta Cordata.*)—Tall and stately, ornamental and sub-tropical in appearance with large, handsome foliage and large heavy plumes of white flowers on tall stems from six to eight feet high. Desirable for planting in the border or with shrubbery. Blooms continuously throughout July and August. Each 15 cents; dozen \$1.25.

STEVIA
SERRATA



INDIA RUBBER TREE.

MAMMOTH VERBENAS.—Everybody likes Verbenas, as no one can help enjoying the sight of a nice bed carpeted with dark green leaves and the brilliant blossoms. The following mammoth flowering varieties bloom freely and have the finest colors: **Mrs. Cleveland**—Largest and sweetest of all, of dazzling, snow-white color. Makes very large plants and large foliage. **Turquoise**—A beautiful shade of turquoise blue, with white eye. **Aurora Borealis**—Beautifully and irregularly striped white, pink, crimson and scarlet. **White Beauty**—Very large flower, large truss and pure white. **American Flag**—Pure white, tipped with most brilliant crimson. **Climaxer**—Extra large flower of bright scarlet, really dazzling when in full bloom. **Beauty of Oxford**—The most popular pink variety, color rich and flower of immense size. **Blue Boy**—Of pure, deep, heavenly blue color. **Machadon**—Of deep, velvety, blood red color. **Sambo**—The nearest pure black that appears in Verbenas. Has just a slight shading of maroon. **Princess**—A handsome wine-colored flower. **Dolores**—The richest deep purple color. **Homer**—A beautiful crimson, shaded with maroon.

Any of the above Verbenas 10c each; 75c per doz. One plant each of the 13 kinds for \$1.00. Mixed Verbenas, 50c, per doz.



SANSEVERIA.



SWAINSONIA.

SWAINSONIA.—White. — A beautiful new climbing plant. The habit of growth is extremely graceful, and the vine trained up at the side of a window, or on a trellis presents a lovely sight of light green, feathery foliage, and a splendid profusion of pure white sprays of flowers resembling Sweet Peas in form. Easily grown and under favorable conditions is almost a perpetual bloomer. Each 10c.

Pink.—A beautiful, new sort, quite similar to above, except that flowers are a clear pink color. Each 15c.

SANSEVERIA.—Zelastica. — There is scarcely a decorative plant listed that is more striking in foliage and habit than this, and certainly none other that will stand as much downright neglect and hardship. It will grow in a dark, cool room or stand on the mantel in a heated sitting room. It will stand gas or dust, and will go for months without a drop of water, yet remains as thrifty as ever. Singularly beautiful as well as easily grown. Erect, rigid, sword-like leaves which are thick and fleshy, dark green color, beautifully striped crosswise with white. Each 15c.

SELAGINELLA.—A beautiful, low growing, moss-like plant. Fine for ferneries or planting in moist places. Ea. 10c, doz. \$1.00.

ECHEVERIA.—A neat little succulent plant, commonly called "Old Hen and Chickens." Used largely in parks for ribbon beds and borders; also used in cemeteries. Each 10c; doz. \$1.00.

VINCA MAJOR.—Elegantissima. — One of the handsomest vines in existence for growing in window boxes, hanging baskets trailing from pots, rockeries, etc. The long trailing stems of glossy green leaves are broadly margined and variegated with white and they are always bright and pretty. Plants are of the easiest culture, will stand neglect and mistreatment and grow very rapidly. Does well either in a sunny place or in the shade. Blue flowers. Each 10c, doz. \$1.00, large size 25c.

Harrison.—Similar to above, but with darker variegation. Each 10c, doz. \$1.00.

RUBBER TREE.—(*Ficus*).—During the past few years there has sprung up an immense demand for rubber plants and they are highly valued everywhere for their tropical appearance. Leaves are very large, thick and leathery and of a beautiful shining green color. It endures the dry air of living rooms remarkably well. Everybody likes it. They are difficult to propagate and will always remain high in price. Each 50 cents; larger size \$1.00 and \$1.50 each.

SOLANUM.—*Jasminoides Grandiflorum*.—This beautiful plant is of trailing habit, but if desired it can be cut back to a bush form. It has star-shaped flowers borne in large clusters or panicles, frequently a foot across. They are pure white with a violet tinge on the back; it is equally a good bloomer in summer and winter and is wonderfully effective when planted to cover a low wall or trellis, showing hundreds of magnificent panicles of bloom which remain perfect a long time before fading. Each 10c, 6 for 50c.

SALVIA.—*Mrs. Chas. N. Page*.—One of the finest of all bedding plants, being completely covered during summer and autumn with long spikes of dazzling scarlet flowers, remaining in bloom until cut down by frost. Each 15c, per doz. \$1.50.

Chance.—A novelty with beautifully striped red and white flowers. Each 10c, doz. \$1.00.

Golden.—Handsome yellow leaved variety with brilliant scarlet flowers. Each 10c, doz. \$1.00.

Silver Spot.—Foliage green, spotted clear white. Each 15c, doz. \$1.25.

Clara Bedman.—A dwarf, early and very free blooming variety, the plants appearing to be almost completely hidden by the mass of brilliant scarlet flowers. Each 10c, doz. \$1.00.

SANTOLINA.—A very pretty dwarf growing little plant. The foliage is finely cut and of a silvery gray color, thus making it particularly useful and valuable for edgings and ribbon beds, as it contrasts finely with plants of darker color or larger leaves like Coleus. Each 10c, doz. 75c.

STROBILANTHE.—*Royal Purple*.—An excellent bedding plant as well as a beautiful foliage plant for pot culture. It forms a compact bush eighteen inches high with leaves six to nine inches long, of a beautiful metallic purple, shading into light rose with a light green margin, a combination unapproached by any other plant. The flowers are violet blue, borne in immense racemes. Each 15c.

SAXAFRAGA.—(*Strawberry Geranium*).—The well-known, much-used old basket plant with long, strawberry-like runners. Each 10c.

SEDUM.—(*Stone Crop*).—Six varieties. Each 10c, doz. 75c.

SMILAX.—A well-known, handsome climber and the most popular of all vines with the florists. Each 10c.

WANDERING JEW.—An old, well-known trailing plant, nice for growing in hanging baskets, vases, pots or window boxes. Several varieties with variegated foliage. Each 10c, 4 for 25c.

WAHLENBERGIA, or Bush Clematis.—A plant of wonderful beauty which blooms profusely all summer. White and various shades of blue. Each 15c.



ELEGANTISSIMA VINCA.

ROSES.

We consider these not only the most popular, but also the most satisfactory of all flowers, and therefore we make roses a leading specialty and are now devoting more space in our green-houses and more land in our fields to roses than ever before, as the trade has each year far exceeded our stock. As we do not grow cut flowers and our rose growing is exclusively for the production of young plants we are enabled to use the best and most healthy wood in our propagation and not stems that have been exhausted by forcing for flowers. Our plants are grown on their own roots and are strong, healthy and vigorous. The varieties we list are the choicest selections out of several hundred varieties. We omit all inferior sorts and such kinds as experience has proved to be not generally satisfactory. The two year old plants offered are outdoor grown dormant plants of most varieties. Roses are sent by mail or express prepaid in perfect condition to the most distant part of the United States and we guarantee safe arrival. Directions for rose culture sent with every package. We furnish one dozen of any variety at the price of ten.

SOUVENIR DE WOOTON.—We put this first on our list as we consider it one of the most beautiful and satisfactory roses grown. Color a rich shade of velvety crimson, equal to the noted General Jacquemont, deliciously fragrant, a constant and most prolific bloomer, and the full open flowers are frequently six inches across. Each 10c. Two-year-old plants 30c.

GRUSS AN TEPLITZ.—One of the brightest colored roses grown. When first opened it is a dark rich crimson, quickly changing to bright scarlet. Blooms continually; flowers good sized and delightfully fragrant. Each 15c, two-year-old plants 30c.

HALLOWE'EN.—A beautiful new variety resembling the Meteor in shape, but the flowers are of dark, crimson color, distinctly striped with pink and pure white. It is a hardy, ever blooming variety. Each 15c, two year old plants 30c.

CHAMPION OF THE WORLD.—The champion bloomer. It is claimed that one plant of it will produce more flowers during the year than ten plants of any Tea Rose. Blooms are perfectly double to the center, of good shape. Color, a degree of loveliness which few roses can equal, rich, deep, rosy pink. Each 15c, two-year-old plants. Each 30c.



RAINBOW.



SOUVENIR DE WOOTON.

THE QUEEN.—It is pure snow white, makes good, finely-formed buds, is quite full, showing the center but slightly when fully open. The petals are thick and of good substance, opens well, is very sweet. Each 15c, two-year-old plants 30c.

KAISERIN AUGUSTA VICTORIA.—The finest white ever-blooming hardy garden rose. Soft pearly white, lightly tinted with lemon in the center, just enough to relieve the white, remarkably fragrant, a strong, healthy grower. Each 15c, two-year-old plants 35c.

EMILE GONIN.—There was no rose at our place this year which attracted more attention than this grand new variety. Creamy white, tinted with orange yellow at the base of petals, while the tips of petals are reflected and broadly margined with bright carmine crimson. Each 15c, two-year-old plants 30c.

PERLE DES JARDINS.—Fine straw-yellow; very large and perfect. Blooms freely and we consider it one of the most satisfactory varieties. Each 10c, two-year-old plants 30c.

LIBERTY.—A grand new Hybrid Tea of warm, deep, rich crimson color. Flowers of immense size and borne in great profusion. One of the most beautiful ever-blooming crimson roses yet produced, particularly suited to garden planting, and also for forcing and greenhouse culture. Each 20c, two-year-old plants 40c.

GOLDEN GATE.—This is a beautiful free blooming and healthy Tea Rose that we can recommend to every one desiring large flowers, long stems and continuous bloom. The buds are long and pointed, opening out into a well shaped flower of creamy white, delicately tinged with golden yellow and bright rose color. Each 10c, two-year-old plants 30c.

RAINBOW.—An elegant striped Tea Rose; strong, healthy growth and exceedingly free flowering habit. Color a lovely shade of pink, striped and mottled in a most unique manner with intense crimson, and elegantly covered with rich golden amber at center and base of petals. It makes beautiful buds, and the flowers are extra large, very sweet, of great depth and substance. Each 15c, large two-year-old plants 35c.

HERMOSA.—An excellent rose, blooms in fine clusters; large, very double and fragrant; color a beautiful clear rose. Each 10c, two-year-old plants 30c.

BEAUTY INCONSTANT.—A wonderful new variety, producing flowers of many shades of pink, red, crimson and yellow, all on the same bush at once, of indescribable beauty. Each 15c, two-year-old plants 40c.

VERDIFLORA.—The wonderful green rose which cannot fail to attract attention and cause surprise wherever seen. It is a perfect flower with deep green petals and a free bloomer. A curiosity. Each 15c.

PRESIDENT CARNOT.—Magnificent new Hybrid Tea Rose, which we consider one of the daintiest and most charming and fragrant roses in cultivation. Color soft, creamy fawn, overlaid with delicate pink. As the rose expands it discloses a heart of most exquisite blending of cream and glowing pink imaginable. Each 15c, large two-year-old plants 35c.

RAINBOW COLLECTION Contains the following 6 choice everblooming roses

Rainbow.—A well-named variety, bearing all the colors of that beautiful half-circle.

Halloween.—Dark crimson striped with pink and white.

The Queen.—Pure white and very free flowering.

Beauty Inconstant.—Produces different colored flowers on the same bush.

Emile Gonin.—Creamy white, tinged with orange.

Hermosa.—Beautiful, clear, rose-colored flower-clusters.

The 6 for 50c, large two-year-old plants \$1.40.



PRESIDENT CARNOT.

USE A TYRIAN OR SCOLLAY SPRINKLER TO SPRAY YOUR PLANTS.

CLIMBING ROSES.

For porches and trellises nothing surpasses the climbing roses, especially the everblooming varieties. We recommend the two-year-old dormant plants for immediate effect.

MRS. ROBT. PEARY, or Climbing Kaiserin Augusta Victoria.—The most remarkable new Rose of recent introduction. The flowers are extra large, full, deep and double. The buds are long and pointed. Color pure ivory white, of delicious fragrance. Grows 10 to 15 feet in a single season. Each 20c. Strong two-year-old dormant plants, each 50c.

MANDA'S TRIUMPH.—A beautiful white climbing rose. It is a very rapid, sturdy grower, and bears a profusion of double, pure white, beautifully imbricated flowers; elegant for cemetery. Each 10c; dormant 25c.

ENGLAND'S FAVORITE.—An ever-blooming climber of beautiful golden yellow color, shading to rich copper color in the center. A striking, unique shade, sure to attract attention. Delightfully fragrant. Each 20c.

RUSSELL'S COTTAGE.—Dark crimson, very double and full; extra strong, rampant grower of iron-clad hardness. Each 15c, dormant 30c.

MARECHAL NEIL.—Very bright golden yellow; very large, full and perfect form; of vigorous climbing growth and a free bloomer. Not hardy. Each 15c, dormant 35c.

PINK ROAMER.—Single pink with white center. Each 10c, dormant 25c.

SEVEN SISTERS.—Crimson, changing all shades to white; blooms in clusters. Each 15c, dormant 25c.

MARY WASHINGTON.—A hardy perpetual blooming climber, producing

double snow white blossoms from June until frost. In this lovely rose our first president took special delight and named it after his mother, Mary Washington. The original bush can yet be seen at Mt. Vernon. Each 15c, dormant 35c.

BALTIMORE BELLE.—Double blush white, large clusters covering plant with bloom. Each 10c, dormant 25c.

PRAIRIE QUEEN.—An old standard that will always be popular. Bright rosy red, large flower. Each 10c, dormant 25c.

FAIRY ROSES.

Small roses which are marvels of grace and beauty; bloom in clusters of 25 to 50 on a single stem.

MOSELLA.—A choice novelty. Flowers very double, ball shaped. The petals are tinted white, on beautiful light yellow ground. Each 15c.

PRINCESS BONNIE.—A rich, solid crimson. Each 10c.

LITTLE WHITE PET.—A pure white; of perfect shape. Hardy. Each 10c.

MIGNONETTE.—Clear, soft pink, passing to white. Flowers full and double. Each 10c.

CLOTHILDE SOUPERT.—This hybrid polyantha Tea Rose is one of the most popular. White, shaded pink. Each 10c.



MRS. ROBT. PEARY ROSE.

RAMBLER ROSES.

CRIMSON RAMBLER.—The most popular rose in existence as it is always satisfactory. Many instances are reported of 3,000 to as high as 19,721 flowers by actual count on one bush. It is exceedingly hardy. Flowers, with which the plant is covered in spring are produced in large trusses of pyramidal form and of the brightest crimson color. The blooms remain on the plant for a great length of time without losing their brightness. Each 10c, strong, dormant plants 30c. We have also a few extra strong four-year-old Crimson Ramblers at \$1.00 ea.

YELLOW RAMBLER.—Grand new variety like above except that it is golden yellow. One of the most satisfactory sorts. Each 10c, dormant 25c.

WHITE RAMBLER.—Pure white, very fragrant. A beautiful, popular and satisfactory sort. Each 15c, dormant 25c.

PINK RAMBLER.—Of shining rose color. Each 10c, dormant 30c.

DOROTHY PERKINS.—A grand new sort, remarkably like Crimson Rambler, but the flowers are more double and of a beautiful shell pink color. Very hardy. Each 10c.

PSYCHE.—Of a delicate rosy pink shade, suffused salmon at the base. Of vigorous habit. Each 15c.

HELENE.—Large and more double than Crimson Rambler. Color soft violet rose. Each 15c.

SPECIAL.—Set of seven Rambler Roses for only 50 cents.



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CRIMSON RAMBLER ROSE.

EVERGREEN MEMORIAL ROSES.

These hardy roses creep over the ground like ivy. The leaves are glossy dark green; profuse flowering; used extensively in cemeteries, rockwork, etc.

WHITE MEMORIAL.—(Wichriana.) The finest rose for cemetery planting. Has dark green leaves and creeps on the ground like an ivy, rapidly branching and covering any surface. The flowers are single, pure white; hardy. Each 10c, dormant 25c.

EVERGREEN GEM.—Flowers are creamy white, perfectly white and of a delightful Sweet Briar fragrance. Each 10c, dormant 25c.

SOUTH ORANGE PERFECTION.—Produces multitudes of the most perfectly formed double flowers; color, soft blush pink at tips. Each 10c, dormant 25c.

GARDENIA.—Buds bright yellow, open flowers cream color, 3 to 3½ inches in diameter. Delightfully fragrant. Each 10c, dormant 25c.

JERSEY BEAUTY.—Extremely vigorous grower, flowers large, single, 3 inches in diameter, opening pale yellow, with clusters of bright yellow stamens. Each 10c, dormant 25c.

UNIVERSAL FAVORITE.—The blooms are very abundant, of large size, double, of a beautiful rosy-pink, and very fragrant. Each 10c, dormant 25c.

Set of 6 Memorial Roses for only 50 Cents.



MOSELLA FAIRY ROSE.



MARY WASHINGTON ROSE.

ORDER YOUR ROSES EARLY AND SET THEM OUT EARLY TO SECURE LOTS OF FLOWERS.

BEAUTIFUL HARDY ROSES.

The most satisfactory of all flowering plants, making a permanent improvement which is constantly growing in value. The lower priced roses below named are growing plants, from 2 or 2½ inch pots, while the larger sizes are strong, hardy, outdoor grown plants which have been kept dormant. These can be planted outside early in the spring, before it is safe to set out plants that are growing in pots, and are ready to begin blooming almost as soon as set out. Should our stock of dormant plants be exhausted we will send strong two-year-old plants which have been kept growing in pots. Our experiments prove that the following are the most satisfactory varieties for general use and we have discarded all others. Remember—We prepay the postage or express charges on all these plants at prices named.

GLOIRIE DE MARGOTTIN.—This grand new hybrid perpetual rose is believed to be one of the very finest varieties. Flowers are very large, symmetrical, very full and deliciously scented. The color is a clear, dazzling red. It is certainly one of the most brilliant roses ever seen. It is a free bloomer and a vigorous grower, of great beauty and wonderful color. Each 15c, dormant 40c.

AMERICAN BEAUTY.—One of the best and most valuable roses, both for garden and house culture. Color rosy crimson, exquisitely shaded and very handsome. Extra large full flowers and fine buds, very hardy and a constant bloomer. Each 15c, dormant 35c.

BARON DE BONSTETTEN.—The Black Rose.—The color of this rose is a rich dark red, passing to a deep velvety maroon, nearly black. It is large, highly scented and very beautiful. Each 15c, dormant 35c.

DINSMORE.—We cannot praise this enough. Always in bloom, with large, finely imbricated flowers of rich, bright crimson; bushy and compact. Each 15c, dormant 30c.

MRS. JOHN LAING.—This rose for outdoor planting is undoubtedly the finest. Color a beautiful soft pink, with most delicious fragrance; very double and of large size. A constant bloomer. Each 15c, dormant 30c.

JUBILEE.—One of the grandest hardy perpetual blooming varieties. Color dark crimson shaded velvety maroon, flowers sometimes six inches in diameter. Each 15c, dormant 30c.

GENERAL WASHINGTON.—Color brilliant crimson, very rich and beautiful; large, perfectly double and a free bloomer. Each 15c, dormant 30c.

VICK'S CAPRICE.—Perfectly hardy. Flowers are large, soft, satiny pink, distinctly striped and dashed with white and carmine. Each 15c, dormant 30c.

CAPTAIN CHRISTY.—Very double; color, fresh, delicate pink. Each 15c, dormant 30c.

BLACK PRINCE.—Very dark, rich, velvety crimson, passing to intense maroon, shaded black. Each 15c, dormant 30c.

MADAME PLANTIER.—Flowers borne in great profusion, pure white, hardy as an oak, and as certain to grow as grass. Blooms in June. Each 10c, dormant 25c.

HAREISON'S YELLOW.—One of the finest, pure, deep yellow hardy roses ever grown. Dormant 40c.

ENGLISH SWEET BRIAR.—Flowers bright pink; single, but the exquisite fragrance of the flowers, the leaves and young branches in spring frequently perfume a whole neighborhood. Dormant 40c.

MOSS ROSES.

Acknowledged queen of all roses; moss-covered stems and buds show off delicate loveliness of blossom; hardy.

CRESTED MOSS.—Deep pink colored buds surrounded with a mossy fringe; fine. Each 20c, dormant 35c.

CRIMSON GLOBE.—Fine large flowers, deep, rich crimson, richly mossed. Each 15c, dormant 35c.

WHITE MOSS.—Beautiful. Each 15c, dormant 35c.

GENERAL JACQUEMINOT ROSE.

SET OF LA FRANCE ROSES.

La France roses are certainly the nearest perfection of flowers. Distinctive characteristics of the set are the true La France fragrance and beautiful form. Hardy.

LA FRANCE.—Beautiful form in bud and in full bloom; very large, full and globular; a constant bloomer; color pink or silvery rose—a satiny sheen as it has been termed. Each 15c, dormant 30c.

WHITE LA FRANCE.—Identical with La France except color. It is pearly white, sometimes tinted fawn. Each 10c, dormant 30c.

STRIPED LA FRANCE.—Rich creamy pink with silvery gloss, the whole beautifully etched and streaked with carmine. Each 15c, dormant 30c.

RED LA FRANCE.—(Duchess of Albany.)—Deep rosy pink hue. Very large, double and of superb form. Each 10c, dormant 30c.

The Set of Four for Only 35 Cents.

CRESTED MOSS ROSE.

TEN HARDY DORMANT ROSES, ALL DIFFERENT, OUR SELECTION, FOR \$1.75.



JOHN HOPPER.—Flowers large, regular and full. Color shaded rich crimson, very sweet. Each 15c, dormant 35c.

GENERAL JACQUEMINOT.—One of the grandest roses in existence, as nothing can surpass them in beauty. Color a rich dazzling scarlet, shaded with deep velvety crimson, making a superb glowing color. Each 15c, dormant 30c.

MAGNA CHARTA.—Color dark pink; very pretty. Each 15c, dormant 30c.

PAUL NEYRON.—Double flowers of shining carmine pink. Largest rose known, and one of the most prolific bloomers. The plant is an exceptional grower, making shoots 4 to 5 ft. high in a single season. We heartily recommend this if a hardy, pink-colored rose is desired. Each 15c, dormant 30c.

ULRICH BRUNNER.—Rich, glowing crimson scarlet; flowers of exquisite shape. Each 15c, dormant 30c.

COQUETTE DES ALPS.—Flowers large and full, finely formed and pure white. Profuse bloomer. Each 15c, dormant 30c.

MAD. MASSON.—Color a distinct bright rose. Each 15c, dormant 30c.

MAD. CHARLES WOOD.—Bright fiery scarlet, passing to rosy crimson, shaded maroon. Each 15c, dormant 35c.

PRINCE CAMILLE DE ROHAN.—A fine rose of rich velvety crimson, passing to maroon, shaded black. Each 15c, dormant 35c.



HARDY SHRUBS.

There is nothing which so quickly, and for so little cost, adds so much to the beauty, cheerfulness and homelike appearance of a place as an assortment of hardy shrubs. They are permanent improvements which increase in size, value and beauty year after year. Our price is for strong, healthy plants sent by mail or express prepaid.

AZALEA.—*Mollis.*—Showy, low-growing, hardy plants, used extensively in parks and public grounds. The brilliancy of their yellow, orange and carnine flowers is not approached by anything in the line of hardy shrubs. Each 60c.

LILY OF VALLEY SHRUB.—(*Andromeda.*)—It is of dwarf, compact growth (2 to 3 feet high.) The flowers are waxy white, drooping like little bells and bear a great resemblance to Lily of the Valley. Should be protected with straw during coldest winter weather. Each 40c.

CALYCANTHUS.—A beautiful, sweet-scented shrub; flowers purple, quite double, exquisitely fragrant. Each 35c.

HYDRANGEA.—*Paniculata Grandiflora.*—The grandest as well as the most popular of all shrubs, and hundreds of thousands of them are sold every year and the demand is constantly increasing. Unsurpassed for the lawn, a hedge, or for cemetery planting. It readily attains a height of 5 to 7 feet; hardy in all localities, needs no protection in winter; blooms the first and every season in July and August and continues in bloom for two or three months; the flowers are massive, cone-shaped, often measuring ten inches in length, and having a pleasing variation of color, changing from the original pure white to pink, and finally to a beautiful, rich coppery red. Each 15c, doz. \$1.25. Large dormant plants 35c, doz \$2.50. Very large four-year-old specimen plants \$1.00 each.

SNOWBALL.—Common.—A well-known and popular shrub, covered with dense, white flowers, which give it its name. Each 15c; large 25c.

Japan.—A valuable improvement on the common Snowball; the flowers are smaller, more numerous, frequently as many as twenty balls on a stem 18 inches long. Each 20c; large 35c.

TAMARIX.—The finest addition to our list of hardy shrubs. Foliage light, feathery, graceful; sage blue in color; very ornamental; blooms through summer and autumn. Each 15c. Extra large, 35c.

SWEET PEPPER BUSH.—One of the handsomest of our native shrubs; pure white, delicious flowers in July and August. Each 15c.

SYRINGIA.—(*Mock Orange.*)—Immense masses of pure white, intensely fragrant flowers in June. Each 10c, large 25c. Large specimen plants \$1.00 each.

EXOCHORDIA.—*Grandiflora.* (*Pearl Bush.*)—A neat, compact bush 10 to 12 feet high; can be trimmed any desired shape; pure white flowers borne in slender racemes of 8 to 10 florets each. Each 15c, large 30c.

FORSYTHIA.—(*Golden Bell.*)—A fine, hardy shrub of weeping or pendulous habit; with deep green leaves and bright yellow flowers; blooms early. Each 10c, large 25c, extra large four-year-old specimen plants 75c ea.



WEIGELA.

WEIGELA.—No shrub in our large collection has attracted more attention. It is of robust but graceful growth, 5 to 7 feet high and produces immense numbers of superb, large, trumpet-shaped flowers, in June, July, and also some in the fall. Plants frequently have more flowers than leaves. Small plants bloom finely in pots and are elegant for table decorations. Flowers all shades from white to dark red. Each 15c, doz. \$1.50. Large 25c.

Variegated.—A neat, dwarf shrub, valuable for the clearly defined variegation of green, yellow and pink in its leaves; very effective and useful; flowers delicate rose and pink; one of the finest variegated-leaved shrubs. Each 15c. Large 35c.

FLOWERING ALMOND.—*Pink.*—One of the earliest flowering and finest shrubs. Loaded with double pink flowers which attract much attention. Each 15c; large 35c.

White.—Like above but with snowy white flowers. Each 20c, large 45c.

LILAC.—*Persian.*—A well-known strong growing shrub, bearing large, fragrant clusters of purple flowers early in spring. Each 10c; large 25c.

White.—Like above but has white flowers, making it more desired by some. Each 15c, large 35c.

New Double White.—A novelty of great merit and the finest flowering shrub which has been introduced for many years. The truss is of large size; they are produced in profusion. The individual flowers resemble miniature tuberoses. Each 25c, large 50c.

PURPLE FRINGE.—A large shrub with long feathery flower stalks, giving the tree the appearance of being covered with a cloud of smoke. Each 15c; large 30c.

RHODODENDRON.—(*Rosebay.*) This is universally acknowledged to be the most showy, magnificent, evergreen shrub. Does well in partial shade. Has broad, thick evergreen foliage of glossy richness, and in June is almost hidden by the magnificent array of beautiful flowers in clusters. Protect well with leaves and brush during the winter or remove plants to a light basement. Each \$1.25 by express at purchaser's expense.



HYDRANGEA PANICULATA GRANDIFLORA.

ROBINIA.—*Hispida.*—Various known as "Sweet Pea Shrub," "Flowering Locust," "Moss Locust," and "Rose Acacia." The shrub of shrubs for bouquet makers. When it is in bloom it is really but a big bouquet itself, full of dainty sprays of large, lovely rose-pink blooms which are of size and shape of beautiful sweet peas. Each 35c.

DEUTZIA.—*Pride of Rochester.*—By far the handsomest variety of Deutzias. It is a very desirable shrub of strong, hardy growth, with nice luxuriant foliage and bearing an abundance of beautiful racemes of double, pure white flowers. Must be seen to be appreciated. Every one of our customers should have at least one of these. Each 15c, large 25c.

Waterl.—A grand variety with large flowers. Small 15c, large 30c.

Crenata.—Flower double white, tinged with pink. Small 15c, large 30c.

SPIREA.—*Bridal Wreath.*—The most popular variety of Spirea. Of symmetrical growth and bears long graceful sprays of pure white flowers in great profusion. Blooms in May. Perfectly hardy and always satisfactory. Each 10c, large 20c. Large four-year-old specimen plants 75c each.

Anthony Waterer.—Makes a dwarf bush 15 to 18 inches high, covered from spring till late in the fall with large heads of crimson flowers. Each 10c, large 25c.

Van Houtti.—The hardiest of all Spireas. The bushes form fine, compact clumps; the pure white flowers are borne in such masses that they form great plumes, drooping gracefully, giving the clumps the appearance of a snowbank of white bloom. Each 15c, large 25c.

BUSH HONEYSUCKLE.—*Red Tartarian.*—Blooms in June, with beautiful pink and white flowers, followed by red berries. Ornamental through the season. Ea. 15c, large 30c.



PRIDE OF ROCHESTER DEUTZIA.



RHODODENDRON.

NOTICE OUR LIST OF FLOWER SEEDS AND REMEMBER WE GROW THEM OURSELVES.

CORCORUS.—Japonica.—(*Kerria*).—A grand shrub from two to five feet high, which is almost constantly in bloom from June to October. Produces hundreds of large, double flowers of brightest yellow. Each 15c, large 25c.

SNOWBERRY.—Bears small pink flowers followed by large, white berries which hang on most of the winter. Very showy and desirable. Small plants 10c, large 25c.

CORAL BERRY.—Like above, but with small, red fruit. Each 10c, large 25c.

DWARF POMEGRANATE.—A beautiful shrub bearing large, double, scarlet flowers. Must be kept in the cellar over winter in the northern states. Each 25c.

ALTHEA.—Double White.—(*Rose of Sharon*). One of the most beautiful shrubs; perfectly hardy and always satisfactory. The bushes are of neat shape, have nice foliage and would be valuable as an ornamental hedge plant even if it produced no flowers. The plant, however, is loaded with large, beautiful flowers during August, September and October. Double white flowers produced in great profusion. Each 15c, large 30c.

Double Purple.—Like above, except that the flowers are of beautiful purple color. Each 15c, large 25c.

Double Variegated.—Variegated pink and white. A beautiful and attractive variety. Each 15c, large 35c.

CORNUS.—Florida.—(*White Flowering Dogwood*).—An ornamental, spreading, irregularly-shaped tree, producing large, white flowers in spring, and rich, crimson foliage in autumn; 4 to 5 feet; Each 15c, large 35c.

SAMBUCUS.—Aurea.—(*Gold-leaf Elder*).—Another year only adds to our high opinion of this handsome shrub. It is the most showy of all shrubs for the lawn. Grows to the height of about six feet and has wide-spreading branches. Leaves are of dark, dazzling yellow color. Each 15c, dozen \$1.50, large 30c each.

Variegated.—A very pretty variegated green and white variety. Each 15c, large 35c.



VARIEGATED ALTHEA.

AQUATIC PLANTS.

The constantly increasing demand proves the coming popularity of aquatics. Their requirements are very simple, only sunshine, shallow water and rich soil being necessary. Artificial ponds can easily be made or you can grow them in tubs or tanks. Most of the varieties we offer are also adapted for growing in aquariums in the house.

FAIRY WATER LILY.—This resembles a miniature water lily bearing white flowers the year round. Fine for aquariums. Each 15c.

WHITE POND LILY.—(*Nymphaea Odorata*).—The praises of our fragrant water lily can never be too highly sung. It has lovely, pure white flowers. Strong roots 30c each; dozen \$3.00.

PINK POND LILY.—(*Nymphaea Rosea*).—This is the famous pink lily of Cape Cod, and is a grand acquisition. Of delicious fragrance. Large roots 75c each.

YELLOW POND LILY.—(*Nymphaea Flava*).—Flowers of bright golden yellow color. Each 60c.

EGYPTIAN LOTUS.—(*Nelumbium Speciosum*).—A noble aquatic plant known in Egypt, India and China as the "Sacred Lotus." Has gigantic leaves of most tropical appearance, and flowers sometimes a foot in diameter. Color white shading to pink. Each \$1.25.

LUDWIGIA.—A pretty plant with smooth, green leaves, variegated at certain seasons with yellow and red. It grows nicely in the aquarium. Does well also for growing in pots, vases and hanging baskets. Each 10c; 6 for 50c.



WATER LILIES.

SAGITARIA.—A grass-like plant, quite desirable for growing in aquariums. Of a fine, waxy appearance; grows rapidly. Ea. 25c.

LEMNA.—Sometimes called Duckweed. Has small, oval leaves, with rootlets hanging down in the water, and the plants are produced very rapidly by offshoots. Bunch 15c.

WATER HYACINTH.—One of the most remarkable, curious and beautiful plants. It floats in the water, forming a lovely rosette of its curious, shining green leaves, and throws up spikes of most exquisite flowers. Color is a beautiful, soft, lilac rose, sparkling as if covered with diamond dust. The upper petal has large metallic blue blotch and in the center of that a small golden yellow spot. Each 15c.

PARROT'S FEATHER.—An aquatic hanging plant is a novelty indeed, and we have it to perfection in this dainty little jewel. Its long, trailing stems are clothed with whorls of most exquisite foliage, as finely cut as leaves of the cypress vine, but more delicate. Planted in water-tight hanging basket, will trail finely. Each 15c.

CABOMBA.—Or *Aquaria Moss*.—This is the prettiest plant in existence for growing in aquariums, and also the most valuable. The foliage is of a beautiful light green and the leaves spread out like a fan, which gives it the name of Fanwort. The leaves are beautifully and regularly cut and resemble a delicate lace fern. It has flowers measuring fully one-half inch in diameter, which are white, with yellow spots at the base. It very rarely blooms in the aquarium, but grows all the year round. It looks a great deal better during the fall and winter months than during the spring months. It may be broken at any length and roots readily. It should be weighted down so that the base of the stems are in the sand. Per bunch of ten stems 25c, postpaid.

UMBRELLA PALM.—(*Cyperus*).—An ornamental plant which throws up slender, round stems about two feet high, surmounted at the top by a whorl of flat, ribbon-like leaves, diverging horizontally, thus giving the plant a very curious and fantastical appearance. It is a splendid decorative plant, being as ornamental as a palm or fern, and above all it is as easily grown as the commonest weed, and will thrive in the shade as well as in the sun. It is an excellent plant for the dining-room table, or as a water plant in very moist spots, or for aquariums or fountains. It should have an abundance of water, though it will do fairly well in dry soil. We sell thousands of these plants and they are always satisfactory. Each 10c; larger 25c and 50c each.



WATER HYACINTH.



CYPERUS, OR UMBRELLA PALM.

ASK FOR CATALOGUE OF GOLD FISH, AQUARIUMS, FISH GLOBES AND AQUARIA SUPPLIES.

HARDY VINES.

In making a home, plan for future beauty, comfort and happiness by planting a variety of hardy clematis, ornamental vines, shrubs and roses which will constantly grow in beauty and size. Such permanent improvements add greatly to the value of any property, and the value grows from year to year, so that instead of an expense they should be considered a paying investment. We prepay the postage or express charges at these prices.

HARDY CLEMATIS.—The most popular climbing plant of the day, and is constantly gaining in popularity—and why should it not—as it is hardy, standing our most severe winters with but slight protection, grows rapidly and blooms freely during the entire season.

Jackmanii.—Most magnificent and showy vine in existence; of strong, healthy growth, perfectly hardy and sure to succeed anywhere. Flowers four to six inches in diameter, of a rich, deep, velvety purple, distinctly veined. It is a prince among all hardy flowering vines. It is especially adapted to open lawns or house fronts in the city or country; blooms the entire season, from July to October, bearing beautiful and lasting flowers. Strong plants, each 45c, postpaid; extra large, three-year-old roots, 75c.

Henryii.—This may be briefly described as a white flowered Jackmanii. It is the finest of all white sorts, the same size as Jackmanii. Each 40c.

Mad. Edouard Andre.—An entirely distinct and beautiful new variety bearing the nearest approach to bright red ever sent out. Has the same vigorous growth, hardness and freedom of bloom as the above, while the color is a pleasing carmine red. Each 60c.

Paniculata.—This small-flowered variety of Clematis is one of our most beautiful, hardy, fall-blooming vines. The flowers which are pure snow-white, are produced in immense clusters, fairly covering the plant with a mass of fleecy white. They have a delicious fragrance. The plant is of extreme rapidity of growth. Each 15c. Large, extra strong plants, each 35c.

Graveolens.—A somewhat rare variety which greatly resembles the Paniculata in shape and size of flower, but does not bloom as freely. Flowers yellow. An attractive plant which should become more popular. Each 15c. Large 35c.



APIOS TUBEROSA.

APIOS—Tuberosa.—A valuable, hardy tuberous rooted climber, resembling in miniature the Wistaria vine, and having clusters of deep purple flowers which have a strong violet fragrance. They grow to a great height, and bloom profusely. Plant several bulbs close together to produce a mass of vines and flowers. Each 5c, dozen 40c.

CALYSTEGIA.—An excellent, rapid-growing, hardy vine, coming up from the roots each year. Bears a profusion of beautiful double pink flowers. Ea. 15c, doz. \$1.50

BIGNONIA.—Radicans—(Trumpet Creeper).—Another old-fashioned hardy climber. It has clusters of large, trumpet-shaped, crimson-orange flowers. It grows in almost any soil and under trying conditions; hardy. Each 10c. Large plants 25c.

HARDY MOON-FLOWER.—(Ipomea Pandurata).—A nice tuberous rooted climber which increases in size and beauty each year. The flowers are four to six inches in diameter, pure white, shading to pink, with a handsome purple throat. Blooms are produced in great profusion and remain on the plant for several days. Each 25c.

CINNAMON VINE.—This beautiful climber possesses the rare quality of emitting from its flowers the delightful odor of cinnamon, and is very appropriately called the Cinnamon Vine. Perfectly hardy, the stem dying down every autumn, but growing again so rapidly as to completely cover any trellis or arbor very early in the season. With its beautiful heart-shaped leaves, clusters of delicate white flowers and delicious cinnamon odor it is a most desirable climber. We have always been short of these, but this year grew about 35,000 roots and hope to be able to supply the demand. We furnish the large tubers, postpaid, for 10c, 3 for 25c, dozen 65c.

Bulblets.—Quite satisfactory but do not produce as much vine as the large roots the first year. Per dozen 15c, per 100, 75c.

AMPELOPSIS.—Veitchi.—(Boston Ivy).—A very beautiful and hardy climbing plant. This is one of the finest climbers we have for covering walls, as it clings firmly to the smoothest surface, covering it smoothly with over-lapping foliage, giving it the appearance of being shingled with green leaves. Should be slightly protected the first winter, but after that it will be found entirely hardy in the most exposed places, attaining a height of 20 to 30 feet in two or three years, clinging to stones, brick or wood work with the greatest tenacity. It is a great protection to houses, as the leaves lapping over each other like shingles on a roof, effectually prevent the rain from penetrating the walls. For covering dead trees, gate posts, boundary walls, etc., it has no equal. In the summer the foliage is a rich shade of green, but in the fall it assumes the most gorgeous tints of crimson, scarlet and orange, so dazzling as to be seen at a great distance. Each 10c, large plants 25c.

Variegated.—A sport of the above variety having beautifully variegated green and white foliage. A desirable novelty. Each 20c.

SILK VINE.—(Periploca Greeca).—A beautiful, rapid-growing climber; grows thirty to forty feet high; hardy. Leaves glossy and glitter like silk, therefore its name. Flowers purplish brown and borne in clusters. Each 20c, large 40c.

WOODBINE.—(Virginia Creeper).—A strong, rapid grower; foliage large, dark green; in autumn bronze and crimson. This is an old favorite and quite common in most localities. Valuable for covering back porches, out-buildings, arbors, etc. Each 10c, dozen \$1.25. Large size 80c.

ENGLISH IVY.—A well known evergreen climber, highly valued in the east and south, but not hardy here. Makes a nice climber for the house, and when planted in the open ground should be on the north side of a building, as it is apt to suffer if exposed to sun in winter. Each 10c, large 25c.

A PORCH IS UNATTRACTIVE WITHOUT PLENTY OF VINES.



CLEMATIS JACKMANII.

CLEMATIS HENRYII.

CLEMATIS PANICULATA.

Coccinea.—A charming variety of Clematis. Flowers are bell-shaped and of a brilliant coral-red color. A rapid grower and a free bloomer, flowering from June until frost. It is an herbaceous perennial growing about twelve feet high. Each 25c.

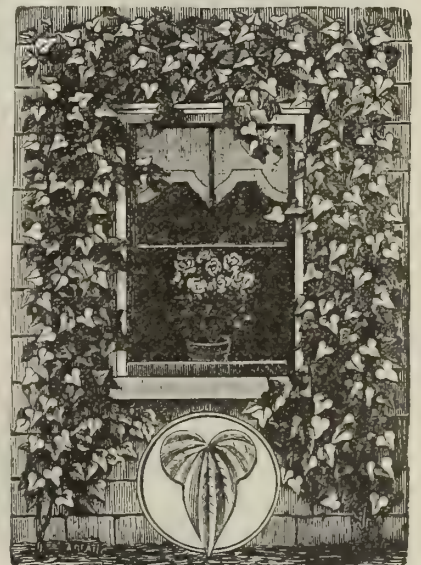
Virgin's Bower.—(Clematis Flammula).—An old fashioned popular climber, growing to a height of 20 feet, and covered with thousands of pure white fragrant flowers. The vine is perfectly hardy, rapid growing, graceful, and will succeed everywhere. Each 10c. Large 25c.

COLLECTION.

A nice plant of each of the above seven kinds of Clematis for only \$1.40 postpaid. A great bargain. Regular price \$2.00

HOP VINE.—A vigorous, hardy, ornamental vine, useful for covering old trees, outbuildings, fences, etc. Each 15c.

BITTER SWEET.—A native climbing or twining plant; large leaves, yellow flowers, orange capsuled scarlet fruit. Each 35c.



CINNAMON VINE.



GLECOMA.

ARISTOLOCHIA.—(*Dutchman's Pipe Vine.*)—The well-known, vigorous and rapid-growing climber used so extensively for archways or verandas. It takes its name from the singular brownish colored flowers, resembling in shape a pipe. The leaves are heart-shaped and retain their color from early spring to late fall. Each 40c.

HARDY BLUE SOLANUM.—A hardy perennial vine of rapid growth. The handsome cut foliage makes a beautiful shade for porch or arbor and is also desirable to train along fences, etc. It is covered during the summer months with hundreds of clusters of blue flowers, brightly set off with golden stamens, clusters measuring 15 inches in circumference. The flowers are succeeded by bright scarlet berries. When you consider its handsome foliage, and beautiful flowers and berries, and hardness, it is difficult to find a more satisfactory climber. Each 15c.



ARISTOLOCHIA.

COLLECTION Ten Hardy Vines, all different, our choice of varieties, but all desirable. **\$1.50**

VALUABLE BOOKS.

"Empty your purse into your head."

It will pay you to read some of the following books which are sent postpaid on receipt of price.

Fruit Harvesting, Storing and Marketing.—By F. A. Waugh. Price \$1.00.

Henderson's Gardening for Profit.—New edition. By Peter Henderson. \$1.50.

Onions; How to Raise Them Profitably.—Being the practical details by seventeen practical onion growers. Price 20c.

The A B C of Potato Culture.—By T. B. Terry. Price 45c.

Tomato Culture.—By A. I. Root. 135 pages. Price 35c.

Celery for Profit.—A new book by T. Greiner. Price 20c.

Vegetable Gardening.—By S. B. Green. A most practical, up-to-date book. Every market gardener should have a copy. 220 pages. Price \$1.00.

Fitz's Sweet Potato Culture.—Cloth. Price 60c.

E. P. Roe's Play and Profit in My Garden.—Price \$1.00.

Henderson's Practical Floriculture.—New edition. \$1.50.

Fuller's Small Fruit Culturist.—Price \$1.50.

Clover Farming.—Complete book on Clover. By Henry Wallace. Price 35c.

Farmer's Cyclopaedia of Agriculture.—By E. V. Wilcox. A large 700 page book treating over 6,000 topics. Price \$3.50.

Forage Crops.—By Prof. Thos. Shaw. A practical book for stock farmers. 300 pages. Price \$1.00.

Horticulturist's Rule Book.—By Prof. Bailey. Price 75c.

How to Grow Mushrooms.—Price 10c.

Feathered Pets.—By Chas. N. Page. A most complete new book on Canaries, Parrots, and all kinds of cage birds. 140 pages. Cloth 75c, paper 25c.

Canary Breeding and Training.—By the author of Feathered Pets. Tells the whole story. 80 pages, 25c, cloth, 75c.

Aquaria.—By Chas. N. Page. A 64-page book on the care of gold fish. 15c, cloth 50c.

Practical Poultry Keeper.—A very popular little book. Price 10c.

Profitable Poultry Farming.—By Boyer. Price 25c.

A Living from Poultry.—By Boyer. Price 25c.

Money in Hens.—By Boyer. Price 25c.

Reliable Poultry Remedies.—25c.

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By practical men on special subject.

Cabbage, Cauliflower and Allied Vegetables.—By C. L. Allen. Cloth 50c.

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Canning and Preserving.—By Mrs. S. T. Rorer. Price 50c.

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Ginseng.—Cultivation and Harvesting. By M. G. Kains. Price 50c.

Spraying Crops.—By C. M. Wood. 50c.

Practical Fruit Grower.—By S. T. Maynard. Price 50c.

Manual of Corn Judging.—By A. D. Shamel. Price 50c.

Alfalfa.—By F. D. Coburn. Price 50c.

Broomcorn and Broom-making.—Price 50c.

GLECOMA.—(*Variegated Ground Ivy.*)—The foliage is a bright green, marked with pure white and has a refreshing fragrance similar to mint. Graceful and beautiful for hanging baskets. Entirely hardy when planted out, and makes an ornamental, dense mat on the ground. Each 10c, dozen 75c.

HONEYSUCKLE.—*Red Coral.*—A shrubby climber and one of the most satisfactory of all plants. Has been a favorite for many years. The odd shaped foliage is showy and attractive and it produces its bright red, fragrant, trumpet shaped flowers almost continuously. Nice for a hedge or for training over a residence. Each 15c, dozen \$1.50. Large dormant plants 25c.

Halliana.—(*Hall's Japan.*)—For real home vines to climb over your windows and doorways there is nothing prettier than the Honeysuckles, and the Halliana is considered by many the sweetest and most beautiful of all. It is a strong, rapid grower, perfectly hardy and almost an evergreen even in this severe climate. Blooms constantly and profusely from June to November. Flowers pure white changing to yellow, and of peculiarly delicious fragrance. Excellent for trellises or pillars. Foliage is bright glossy green and makes a dense shade. Each 10c, dozen \$1.00. Large 2-year-old plants 20c.

Golden Leaved.—Slender, moderate grower; leaves beautifully veined and netted with clear yellow, so that the prevailing color of the foliage is bright yellow; flowers yellow and sweet-scented; fine for pillars and trellises. Each 15c, large 30c.

AKEBIA QUINATA.—A perfectly hardy, fast-growing Japan vine, producing flowers in large clusters, of chocolate purple color, possessing a most delicious perfume; unsurpassed for covering trellises and verandas; the foliage is never attacked by insects. Each 20c.

WISTARIA.—*Blue Chinese.*—A very rapid grower, and one of the most beautiful of all climbers. It is perfectly hardy, climbing to a height of fifty feet; when covered with bloom it is magnificent. Each 25c.

White.—Like above but has pure white flowers and is a lovely climber. It is a strong, vigorous grower and flowers are freely produced in long pendant clusters. Each 25c.

CHINESE MATRIMONY VINE.—A vigorous growing, shrubby climber which is perfectly hardy and desirable for training on trellis, wall or fence. Every new shoot becomes filled with small purple flowers, which are followed by brilliant scarlet berries which remain on the vine until late in the winter. Although the flowers are not showy, the long stems droop gracefully and make an admirable covering for the porch. Each 15c, large 30c.



HEDGE PLANTS.

You can beautify your surroundings by removing the unsightly fences near your house and substituting an ornamental hedge. It requires less care than is usually supposed and enhances the value of the property. There are many plants desirable for this purpose, but we particularly recommend the following:

CALIFORNIA PRIVET.—Easily grown; thrives in all kinds of soil and under various conditions, high or low land, wet or dry, in sun or shade. The smoke of railroads or factories does not seem to affect it. A remarkably vigorous grower, of compact and regular form, and foliage is a beautiful shade of glossy, wax-like green which it retains well into the winter. In sheltered situations, being almost an evergreen. Has withstood a temperature of 20 degrees below zero without protection, still we believe it best to mulch with straw, leaves or litter the first winter. Plant 8 to 10 inches apart for hedge. Strong one year old plants, per doz. 75c; per 100 \$4.50 postpaid. By express per 100 \$3.00; 500 \$12.50. Extra large, per doz. \$1.00; 100 \$4.00.

PURPLE LEAVED BARBERRY.—A handsome hedge plant, the foliage being always clean, of a deep, rich plum color, and does not fade out in summer, as do most purple leaved plants. Each 15c, doz \$1.50 postpaid. By express, per doz. \$1.20, per 100 \$7.50. Extra large strong specimen plants 35c each, \$3.00 per dozen.

HARDY PERENNIAL PLANTS.

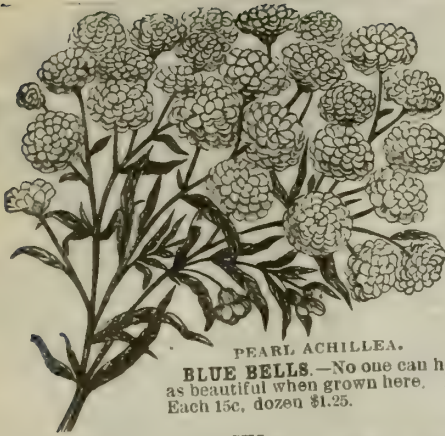
It is really wonderful the immense demand which there has been for these hardy plants during the past few years, our trade in this line multiplying fourfold every year. Our customers are learning that they require less care and are more satisfactory with ordinary culture than most other classes of plants. When once set out they bloom year after year, the flowers really becoming better as the plants grow older. These varieties are all hardy, the top dying down every winter, but coming up again in spring. Cover with leaves or litter after ground is frozen. We prepay postage on all of these and you may select \$1.25 worth at the single rate for \$1.00.

ACHILLEA.—The Pearl.—Beyond question the finest of all plants for cemetery planting. The flowers are good sized, forming a beautiful plant eighteen inches high, completely covered with pure white flowers from July until frost. We cannot too highly recommend this for general planting. Cut shows one of the heads of bloom which cover the plant. Each 10c, doz 75c.

Millefolium Roseum.—Finely cut, deep green foliage. Bears a mass of handsome, bright pink flowers in heads or umbels. Well worth growing, both as a border plant and for cutting. Each 15c, per dozen \$1.50.

AQUILEGIA.—These beautiful flowers, often called Columbines, are always beautiful and attractive, reminding one of the woods. Many handsome colors. Each 15c, dozen \$1.25.

BLUE BELLS.—No one can help loving the beautiful "Blue Bells of Scotland," and they are just as beautiful when grown here. Poets have sung their praises more than almost any other flower. Each 15c, dozen \$1.25.



PEARL ACHILLEA.

CRIMSON EYE Hibiscus.—This elegant Hibiscus is a robust grower, with dark red stems and foliage. The flowers are immense in size, often measuring twenty inches in circumference. The color is of the purest white, with a large spot of deep velvety crimson in the center of each flower. It will succeed anywhere and is perfectly hardy. Each 15c, dozen \$1.25; extra large 30c ea.

GRASS PINKS.—The hardy and pretty clove-scented flowers which our grandmothers loved. The fragrance is quickly noticed by anyone passing by the yard where they are growing, before seeing the flowers. Flowers are double, semi-double and single, and range from pure white to dark pink and red. Each 10c, dozen \$1.00.

LILY OF THE VALLEY.—A bed of these planted in some shady nook will prove satisfactory, as their pure white flowers are always desirable. 4 for 15c, dozen 50c.

MONARDIA.—Didima.—(Osweego Tea.)—Flowers bright scarlet, produced in spikes. Each 10c, dozen 75c.

IBERIS.—Sempervirens.—(Perennial Candytuft.)—A dwarf plant producing clusters of handsome flowers. Each 10c.

GAILARDIA.—Grandiflora.—These are among the showiest and most effective of hardy perennial plants; beginning to flower in June, they continue one mass of bloom the entire season. They will thrive in almost any position or in any soil, but respond freely to liberal feeding. Being perfectly hardy, they require absolutely no protection, taking care of themselves. The flowers are large, from 2½ to 3½ inches in diameter. They are produced on long stems and are excellent for cutting, and of the most gorgeous coloring. The center is a dark reddish brown, while the petals are variously marked with rings of brilliant scarlet, crimson, orange and vermilion, and often a combination of all these colors in one flower. Each 15c, dozen \$1.50.

STRIPED RIBBON GRASS.—The common striped grass, no two leaves alike. Pretty clumps or borders. Ea. 10c, doz. 75c.

CANTERBURY BELLS.—We can furnish both double and single in assorted colors. Each 15c, doz. \$1.25.

MYRTLE.—Green.—A handsome trailing plant largely used for cemetery planting. Has beautiful, glossy dark green leaves forming a mat over the surface of the ground. Flowers heavenly blue. We know of one lawn made of these plants which attracts the attention and admiration of every passerby. Each 10c, dozen 75c. \$4.00 per 100.

Variegated.—A beautiful little trailer like above, but having handsomely variegated green, yellow and white leaves. Each 15c, dozen \$1.25.

PERENNIAL ASTER.—(Nova Anglorosea.)—One of the finest of the perennial asters; very showy, exceedingly strong-growing and free-flowering, presenting a mass of small, bright rosy pink flowers in large clusters during late summer and autumn. Each 10c, dozen \$1.00.

LEMON LILY.—(Hemerocallis Flava.)—This handsome flower is not a true lily as the root is of different shape, but flower is very much like Lilium Speciosum in form, about 3 inches in diameter. A clear lemon yellow, very bright, pleasing appearance. Has most delightful lemon fragrance; each flower stem bearing 7 to 20 flowers; hardy. Each 15c, dozen \$1.50.

ORANGE LILY.—(Hemerocallis Dermotteri.)—Similar to Lemon Lily, but of a fine orange color. Each 15c, dozen \$1.50.



CRIMSON EYE HIBISCUS.



PARDANTHUS.—(Blackberry Lily.)—Quite curious and handsome. Flowers orange colored spotted with brown, about two inches in diameter. The blossoms are followed by seed clusters like a blackberry in size, shape and color. Each 10c, 3 for 25c, dozen 85c.

BABY'S BREATH, or MIST.—(Gypsophila Paniculata.)—Possesses a grace not found in any other perennial, and when in bloom it forms a symmetrical mass two to three feet high, of minute white flowers, giving it a beautiful gauze-like appearance. For cutting purposes it is exquisite, especially in combination with high-colored flowers. Each 10c, dozen \$1.00.



LEMON LILY.



GAILARDIA GRANDIFLORA.

LARGEST STOCK AND VARIETY OF ROSES IN THE ENTIRE WEST. SEE LIST ELSEWHERE.



RUDBECKIA OR GOLDEN GLOW.

HARDY PHLOX—We know of nothing in hardy perennial plants more showy or effective than a fine collection of hardy phloxes, and the new and improved varieties that have been introduced recently will add very much to their popularity. Some of the varieties have exceedingly brilliant shades of color. In others the flowers are very large and the coloring very desirable. They bloom from June until very late fall.

Fringed Queen.—A novelty and the most beautiful pure white variety ever sent out. The trusses or flower heads are of immense size and each floret is large and beautifully fringed or feathered. Ea. 20c.

Eclairer.—Purplish-crimson, with light halo, a fine large flower. Each 15c.

The Pearl.—Best pure white variety. Large beautiful flowers. Each 10c.

Moliere.—Salmon rose, with deep rose eye; a beautiful flower. Each 15c.

Amphion.—Deep purplish-crimson. Each 20c.

Jean D'Arc.—Dwarf with extra large pure white trusses. Very fine. Each 10c.

Wm. Robinson.—An elegant, large, fine, rosy salmon variety. Each 10c.

Amorite.—White overlaid with lilac. Center rosy crimson. Each 10c.

Bouquet Fleur.—White with carmine eye. Each 10c.

Bayard.—Attractive new variety. Bright rosy lilac. Each 15c.

COLLECTION.—One plant each of the above 10 varieties for only \$1.00.

Large, field-grown, two-year-old roots of any of above 35c each.

MARGUERITE.—Golden. (*Anthemis*).—A fine yellow flowered perennial; a continuous bloomer the entire summer, withstanding both wet and dry weather. The flowers are of the exact form of a daisy, but clear yellow. Each 15c.

RUDBECKIA, or Golden Glow.—A glorious new hardy plant that should find a place in every garden. It is of fine habit, vigorous growth, with early, continuous and immense blooming qualities. It will be found excellent also for cut flower purposes. The stems are long and gracefully poised. The foliage is abundant and ornamental. It attains a height of six to eight feet and a small plant set out in the spring will produce hundreds of blossoms during August and September, each one as large as a good sized chrysanthemum. Thousands of flower lovers have admired this plant on our place. It is of easiest culture and sure to please all. Nice for a screen row at back of lawn. Price 10c, doz. \$1.00.

PHLOX—Sublata.—(*Moss Pink*).—One of the finest of low, turf-growing plants, fine for carpeting under trees, around rock-work, edging beds, etc. Early in spring is very showy with its cloud of bright pink blossoms. We do not understand why this is not more widely grown, for it is perfectly hardy, and will care for itself. Each 10c, dozen 50c.

LYSIMICHIA.—A small creeping plant sometimes called "Creeping Jenny"; quite useful for borders and cemetery planting, forming a mat of green foliage. Ea. 10c, doz. 75c.

HOLLYHOCKS.—Choicest varieties; mixed colors. Strong plants. Each 15c, doz. \$1.50.

IRIS.—*Japanese.*—(*Kaempferi*).—These magnificent Iris are among the most beautiful of our summer flowering plants. Of immense size and beautiful colors. Think of a plant sending up to a height of three feet a dozen flower spikes, each spike bearing two to four blossoms eight or ten inches across, and of the most beautiful colors, markings and combinations—white, indigo, violet, lavender, mauve, sky-blue, royal purple, blush, yellow, etc. Once they are planted in your garden they are a joy for a lifetime, blooming profusely in June and July. Double and single mixed. Each 15c, doz. \$1.25.

German.—The true "Fleur-de-Lis" the national flower of France. Perfectly hardy, thrive anywhere, grow and bloom luxuriantly, particularly if plentifully supplied with water, or if planted in moist situations. Ea. 10c, doz. 85c.

Pumula.—A dwarf, early blooming variety, quite desirable for borders and edgings. Mixed colors. Ea. 15c, doz. 50c.

DAY LILY.—*White.*—(*Funkia*).—A very beautiful plant for early shady places. Large, round, heart-shaped leaves, clusters of fragrant bell-shaped white flowers. Each 15c, doz. \$1.20.

Blue.—Like above only flowers are of a lovely blue color borne on tall spikes. Each 15c, doz. \$1.25.

Variegated.—Beautifully mottled dark green and pure white leaves, lilac flowers. Each 20c, doz. \$2.00.

DICENTRA. *Spectabilis.*—The old Bleeding Heart, as lovely as ever. In early spring it bears its long chains of pendulous bloom of exquisite beauty. Each 15c.

DELPHINIUM. *Formosum.*—*Hardy Larkspur.* Its long spikes of bright blue flowers are produced continually from June until frost. Handsome in clumps. If clipped off as they begin to fade they produce a succession of bloom all summer. Each 15c, doz. \$1.50.

SAPONARIA.—(*Bouncing Betsey*).—Old fashioned perennial with pink flowers. Ea. 10c, doz. 75c.

HELIANTHUS. *Multiflorus Plenus.*—A plant that should be in every garden, and one that will give entire satisfaction. The flowers are from 3 to 4 inches in diameter, as double as any Double Dahlia, and cover the plant from the ground to the top. Color a bright golden yellow. It should have a sunny position and rich soil. Each 15c, doz. \$1.25.

SPIRAEA.—*Blue.*—(*Caryopteris*).—A handsome shrubby plant from China; hardy; cover with straw during winter. Color a beautiful azure blue; for pots or open ground. Blooms luxuriantly from mid-summer until heavy frosts. Each 20c.

EULALIA.—*Zebrina.*—A stately ornamental grass for the lawn or hardy border. The variegated foliage is evenly striped crosswise with broad bands of golden yellow; hardy; produces 50 to 100 panicles. Each 25c.

HARDY GARDEN PINKS.—Dwarf hardy plants that will grow anywhere and increase in beauty every year; delightful clove-like fragrance; long blooming.

Her Majesty.—A grand variety; plants grow to large size, spreading and producing immense numbers of pure white, perfectly double flowers. Each 10c, doz. \$1.00.

Abbotsford.—Deep carmine, marbled with white; rich clove fragrance. Each 10c.

Mary Gray.—Reddish purple, lacing of white; Ea. 10c.

Lord Lyons.—Dark maroon; lighter shading. Ea. 10c.

Gertrude.—White with maroon markings. Each 10c.

Large field-grown clumps assorted varieties of Garden

Pinks 20c each, \$1.75 per dozen.



PHLOX SUBLATA OR MOSS PINK.



HARDY PERENNIAL PHLOX



BLUE SPIRAEA.



HELIANTHUS MULTIFLORUS PLENUS.

PAEONIES.

EVERYONE knows the old-fashioned red "Piny" of our grandmother's garden—but the specialists of America, Europe, and particularly those of Japan, have been at work so that there are now more than one thousand named varieties, many of them of the most curiously beautiful shapes and colors. It is truly a noble flower, rivaling the rose in brilliancy of color and perfection of bloom, while greatly surpassing it in size and stately grandeur. One writer has well said: "The pæony fully equals the rose, except in poetry, perfume, thorns, bugs and disease." They are as hardy as an oak, requiring no protection even in the severest climate. They are of the easiest culture, most vigorous habit, and free from all disease and insects. The foliage is rich, glossy and ornamental even when plants are not in bloom. Many of the newer varieties are quite fragrant and no other flower is so well adapted for large, showy bouquets, the blooms selling readily in Chicago and other large eastern cities for ten dollars a hundred and the supply does not equal the demand. We have acres of pæonies including a vast number of sorts, but name only a few of the most popular and offer the others in mixture.

FESTIVA MAXIMA.—This is by far the finest double white pæony grown. The flower is of immense size, perfectly globular, the guard petals being large, while the inner petals are crimped, thus making it appear extremely double. The color is of the purest snow white with sometimes slight carmine marks in the center. Usually sells at \$1.00 each, but we offer it at only 75c; dozen \$8.00.

POTTSHIL.—Finest dark crimson sort, the color being very rich and showy. Flowers usually very double, although a few are semi-double. This variety should be in every collection. Each 35c, dozen \$3.50.

VICTORIA TRICOLOR.—Has very large full flower. Outer petals pale rose mottled with pink; center yellowish white. Each 25c, doz. \$2.50.

ROSE FRAGRANS.—A very desirable sort, with large flowers of rich, dark rose color and exquisite fragrance. Blooms late in the season. One of the very best varieties for general culture; always satisfactory. Each 25c, dozen \$2.50.

LA ESPERANCE.—An exceedingly fine vivid rose colored flower, growing compact and highly perfumed. Early, free flowering. Each 35c, doz. \$3.50.

ANDRE LAURIES.—A very double flower of deep bright red that blooms till late in the season. Each 25c, dozen \$2.50.

GRANDIFLORA RUBRA.—Extra large perfect balls of blood red, magnificent flowers. Probably the largest red variety in existence, often eight or nine inches across, and so double as to appear like perfect balls. Give it rich soil and you will be surprised. Each 35c, dozen \$3.50.

DOUBLE WHITE.—Large size double flowers which appear to be pure white in the bush, but when placed beside Festiva Maxima show a slight creamy tint. It is about as pure white, however, as any other double white and is a free bloomer. Each 40c, doz. \$4.00.

RUBRA TRIUMPHANS.—An early blooming, very sweet scented flower of rich, brilliant glowing, satiny crimson color. Each 25c, dozen \$2.50.

MISSOURI WHITE.—A handsome variety. Outer row of petals is tinged with light pink, the center ones are creamy white. Each 35c, doz. \$3.50.

PINK MONARCH.—One of the best tall growing sorts. Flowers light pink, handsomely variegated with carmine pink. Each 25c, doz. \$2.50.

ROSE FRAGRANS PÆONY.

VIOLETS Of all perfumes that of violets is the most delicate and pleasant and easily places these modest little blue flowers among our greatest favorites. Violets grow and bloom freely if given a cool situation, but will not succeed in a warm place, and should be well covered to insure their protection during the winter months.

Swanley White.—Unquestionably the finest double variety in existence and is a decided acquisition. Plants are of vigorous growth, producing a great many of the pure, snowy white, double flowers. It has such a delightful odor that it has been called the "Queen of Fragrance." Each 10c, doz. \$1.00.

Marie Louise.—To contrast with the white we offer this, the finest double blue violet grown. Color deep violet blue; very fragrant; continual bloomer. It is of easy growth. Each 10c, doz. \$1.00.

California.—Grand new single variety. A sturdy grower, dense, heavy foliage, free from disease. Flowers fragrant, a clear, unfading violet purple. Flowers are large and borne on stems ten to twelve inches long. Hardest of all. Each 10c, doz. \$1.00.

Princess of Wales.—Broad pansy-like flowers of a beautiful violet purple shade, with lighter center. A vigorous growing plant with clean, healthy foliage and stiff, long stems. Is one of the most beautiful and free flowering violets. Each 10c, doz. \$1.00.

YUCCA Filamentosa. (*Adam's Needle*.)—Tropical looking plant with long, narrow leaves; remains green the entire year. Grows in clumps and throws up a flower stalk from 3 to 4 feet high, from which hang from 100 to 300 creamy white bell-shaped flowers. It blooms a long time. Each 15c, doz. \$1.50; strong 2-year plants 30c.

PLATYCODON (*Bush Clematis*.) A low-growing, bushy, herbaceous plant with handsome, deep green foliage and bearing grand clusters of beautiful, large, bell-shaped flowers; lovely violet blue; from 1 to 2 feet high. Blooms June to October. Each 15c.

White.—Similar to the foregoing; white flowers. Each 15c.



FESTIVA MAXIMA PÆONY.

MEDIUM PINK.—A very fine, large flower of handsome, bright pink color. Blooms freely. Each 25c doz. \$2.50.

RUTH.—An especially choice sort. Foliage rich, glossy green, ornamental even when plant is not in bloom. Flower is of good size, perfectly double and of clear handsome pink color. Each 20c, doz. \$2.00.

FINEST MIXED.—This mixture contains many of the choicest American and foreign sorts, but as we have a very large stock we offer them at only 20c each, \$2.00 per dozen, \$12.50 per 100, charges prepaid. Why not put in a large bed or border your drive with them?

COMMON MIXED.—Mainly composed of pink varieties. Each 15c, doz. \$1.50, per 100 \$10.00, or if sent at purchaser's expense, \$7.50 per 100.

TRITOMA (*Pfitzeri*)—Also called Flaming Torch, or Red Hot Poker Plant. At floral exhibitions and when sent as cut-flowers to market, this plant attracts great attention. It grows from 3 to 4 feet high, the flower measuring 12 to 15 inches long. They are a dazzling scarlet, lower half of flower tinged with rich orange. Each 20c, 3 for 50c.



SWANLEY WHITE VIOLET.



YUCCA FILAMENTOSA.

NOTICE OUR GERANIUM LIST—IT INCLUDES THE BEST AMERICAN AND EUROPEAN NOVELTIES.

BEAUTIFUL LILIES.

NOTHING can surpass the Lily in beauty, purity, delicacy and stately magnificent grandeur. A few clumps planted in some place in your yard where they will not be disturbed from year to year, will reward you with abundant flowers. These varieties are, perhaps, the most popular lilies grown, being of easy cultivation, and producing large flowers of delicate beauty on strong stems. Bloom better the second year and thereafter.

AURATUM (*Japanese Gold Banded Lily*).—This is justly entitled to the name often given it, "The Queen of Lilies." The immense flowers are produced in great profusion and are deliciously fragrant. The large white petals are thickly spotted with rich chocolate crimson, and have a bright golden yellow band through the center of each. Each 15c, doz. \$1.20; extra large bulbs each 25c, doz. \$2.50.

SPECIOSUM RUBRUM.—These are perhaps the most popular lilies grown, being easy of cultivation and produce large flowers of delicate beauty on strong stems; height from 2 to 4 feet. Blooms in August. Flowers are white, with a deep rosy or crimson band on each petal, with deeper colored spots between. They are 5 to 6 inches in diameter, very fragrant, and have all the hardiness of the *Speciosum* class. Each 15c, 3 for 40c.

SPECIOSUM ALBUM.—Has large white flowers of great substance, beautifully recurved. Each 20c, 3 for 50c.

TIGRINUM SPLENDENS.—An improved Tiger Lily growing sometimes six feet high, and producing large pyramids of orange red flowers spotted with black. Each 10c, doz. \$1.00.

LONGIFLORUM.—(*Easter Lily*).—This mammoth white trumpet Lily, with flowers 4 to 5 inches long, is one of the best of lilies for winter blooming, because its grand trumpet-shaped flowers, which give forth a delicate perfume, are wonderfully beautiful and expressive. When planted in the open ground they should be protected during the winter. Each 15c, 3 for 40c, doz. \$1.50.

THUNBERGIA ELEGANS.—A strong grower, dense foliage; 8 feet high; flowers upright, cup-shape, and borne in clusters of 5 to 12. Color a dark orange spotted brown. Perfectly hardy. Each 15c, doz. \$1.50.



DOUBLE TIGER LILY.—A double form of the old Tiger Lily. The flower is densely double, color orange red, spotted with black. Blooms freely and should be more largely grown. Each 15c, doz. \$1.35.

TENUIFOLIUM.—The lovely Coral Lily of Siberia. Brightest of all lilies, of shining coral red color. Foliage finely cut. This is indeed a little beauty. Each 15c, dozen \$1.25.

LILY OF THE VALLEY

A well-known and universally admired spring flowering plant, bearing bell-shaped, freely produced and powerfully fragrant flowers. To grow in open ground select a partly shaded rather moist situation, and they are charming when grown in large patches, as their handsome green leaves and lovely sprays of flowers make a beautiful effect together. When once planted and established, the crowns increase in number and the larger ones flower each year without attention. Now is the time to set out a bed of these delightful flowers. Our price is low for choice stock such as we send out. Four strong roots for 15c, doz. 40c.



LILY OF THE VALLEY.



MELPOMENE.—Words can not describe the beauty of this variety. Frosted white, spotted, clouded and bearded with pinkish crimson. Petals are deeply recurved and widely bordered. Each 20c, doz. \$1.75.

CANADENSE.—A handsome native variety which should be planted in a shady place. Has drooping bell-shaped yellow and red flowers. Each 15c, doz. \$1.25.

Lily Collection

One nice bulb each of the
Auratium,
Rubrum,
Album,
Longiflorum,
and
Melpomene lilies
for only 75 cents postpaid

WINTER BLOOMING BULBS.

Some of the most beautiful and fragrant of all the flowers grown belong to this class, and when potted in the house, they come in bloom just at the time when flowers are most wanted and most difficult to obtain. Our bulbs arrive from Holland about Sept. 15th. The best way is to order during the spring or summer, then your order will be filled as soon as bulbs are received. We name only a few kinds here. You should send for fall catalogue which contains a full descriptive list Ready September 1st

Hyacinths.—Either double or single mixed. Each set, doz. 85c.

Tulips.—Double or single mixed. Ea. 4c; doz. 30c.

Narcissus, or Daffodils.—Mixed varieties. Each 5c; doz. 50c.

Crocus.—Mixed colors. Doz. 10c.

Scilla Siberica.—Each 4c; doz. 30c.

Chinese Sacred Lily.—Each 15c.

Snowdrops.—Single—extra fine bulbs, 15c per doz. Double—extra fine bulbs, 25c per doz.



DOUBLE TIGER LILY.

REMEMBER THAT BULBS CAN BE KEPT THROUGH THE WINTER AND YOU DO NOT HAVE TO BUY NEXT YEAR

NURSERY STOCK.

Nothing is more healthful than fruit, and nothing more easily grown. No farm, garden or city lot is complete without a few fruit trees and small fruit plants. It is essential that you secure good plants and trees in order to grow good fruit. We aim to send out only the very best stock, which with necessary care in planting and cultivating will surely give satisfactory results. The following prices are all for first-class stock, carefully packed and charges prepaid except where otherwise noted. Fifty or more of any variety at the 100 rate. Orders for nursery stock must amount to at least 50c. Ask for special prices on large orders, sending list of wants.

RASPBERRIES.

NEW CARDINAL.—This wonderful berry surprises all by its great growth, extreme hardness, exceeding productiveness and the unusual richness of its pure flavored, large red berries. Leading horticulturists everywhere have pronounced it one of the fruit wonders of the century and the most profitable of all sorts. Each 20c, doz. \$1.25, prepaid. By express per 100 \$2.75.

REDFIELD.—One of the finest dark red varieties. Each 20c, doz. \$1.25. By express, per 100 \$3.00.

CUMBERLAND.—This is undoubtedly the best blackcap variety yet introduced. It is of very large size, good quality, firm and handsome, and an excellent shipper. Plants vigorous and hardy, productive and free from disease. Each 20c, doz. \$1.25, prepaid; by express not prepaid per 100 \$2.50.

CONRATH.—Resembles the Gregg in many ways, but is much earlier, better quality and harder. It makes a very strong, healthy growth, and is considered one of the iron-clad varieties. Each 15c, doz. \$1.00 prepaid; by exp's per 100 \$2.25.

GREGG.—Too well known to need description. Has been one of the leading blackcap varieties for many years. Each 15c, doz. 75c prepaid; by express per 100 \$2.00.

WALLACE'S RED.—Considered by many to be the best flavored red raspberry grown. It is healthy and roots from tips; does not sucker; commences to ripen about July 1st, and continues bearing for several weeks. Each 15c, doz. \$1.25 prepaid; by express per 100 \$3.00.

STRAWBERRIES.

Perfect flowered varieties are marked (s); the imperfect, marked (p), must have perfect flowered sorts planted with them or they will not fruit. Ask for price by thousand.

CLIMAX.—A grand new variety illustrated on back cover of this catalogue. Per doz. 50c, per 100 \$2.25.

ROUGH RIDER (s).—This new variety has proved to be one of the most vigorous growing and productive varieties yet introduced. The fruit is very large, slightly irregular, quite firm and of most excellent quality. Ripens from medium to late. Per doz. 50c, per 100 \$2.25 postpaid. By express per 100 \$1.75.

SAMPLE (p).—It is claimed that this is the most productive of any variety yet introduced with an imperfect bloom. It is of large size, fine shape, good quality. It has been claimed that it produced 16,000 quarts per acre on the grounds of the originator in Massachusetts. The season for ripening is long, and it holds its size well to the last picking, also does well in matted rows. Per doz. 50c; per 100 \$2.00 postpaid. By express per 100 \$1.75.

CLYDE (s).—This has been one of the most popular varieties in the west for the past few years. It is of vigorous growth and very productive. The berries are of a deep scarlet in color and moderately firm. Decidedly the best early sort. Per doz. 40c, per 100 \$1.25 postpaid. By express, per 100 \$1.00.

SENATOR DUNLAP (s).—A medium sized variety; very hardy, productive and vigorous grower, making numerous plants. It will stand neglect better than almost any other variety. Remains in bearing until quite late. It is unsurpassed in quality. It is claimed by some that it is the best all round variety yet introduced. Per doz. 50c, per 100 \$1.75 postpaid. By express per 100 \$1.50.

BISMARCK (s).—This resembles Bubach, of which it is a seedling, but is not quite so large, but much better in shape, color and quality. It is very productive and ripens late in the season. Per doz. 40c, per 100 \$1.25 postpaid. By express per 100 \$1.00.

SEAFORD (p).—This is a variety of extraordinary merit. Begins ripening early and continues late. A most excellent variety for home use. It is a deep glossy crimson, of excellent quality. The plant is an exceptionally vigorous grower. Per doz. 40c, per 100 \$1.25 postpaid. By express per 100 \$1.00.

WARFIELD (p).—This is one of the best known market berries, of medium size and excellent quality and a good shipper. It is one of the best early sorts and maintains its size well throughout the season. Per doz. 30c, per 100 \$1.00 postpaid. By express 100 75c.

BEDERWOOD (s).—This is one of the best known varieties for planting with Warfield or Crescent, as it produces a large amount of pollen. It is of excellent color and a good shipper. Ripens early. Per doz. 30c, per 100 \$1.00 postpaid. By exp. 100, 75c.

CRESCENT (p).—One of the old standard varieties, which will produce a large crop where named varieties would fail, as it will stand an unusual amount of neglect. The berry is of medium size and fair quality. Per doz. 30c, per 100 \$1.00 postpaid. By express per 100 75c.

NICK OHMER (s).—Very large size, uniform in shape, dark glossy red, firm and excellent flavor. Season rather late. Per doz. 50c, per 100 \$1.50 postpaid. By express per 100 \$1.25.

LOVETT'S EARLY (s).—This variety succeeds well almost everywhere. It has a perfect bloom and bears heavy crops of medium sized berries, which are firm and of good color. Produces very early fruit. Per doz. 30c, per 100 \$1.00 postpaid. By express per 100 75c.

BRANDYWINE (s).—Large berry, vigorous strong grower and makes a large heavy plant. It is fine for market, being large, firm and a handsome red color. The blooms are perfect, making it a good fertilizer for other varieties ripening in its season, which is medium to late. Per doz. 40c, per 100 \$1.25 postpaid. By express per 100 \$1.00.



CARDINAL RASPBERRY.

HAYMAKER.—Purple red color cap, not so dark as Columbian or Shaffer but larger and firmer than either of these varieties; never crumbles and stands up well in shipping. Considered the best purple cap yet introduced. Roots from the tips. Each 25c, doz. \$2.00.

BLACKBERRIES.

RATHBUN.—This is said to surpass any blackberry yet introduced. Berries very large and superior quality and an intense jet black. Each 25c, doz. \$1.50 prepaid; by express per 100 \$3.50.

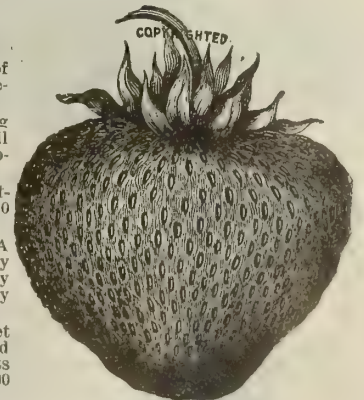
ERIE.—Very productive. Fruit large and of fine quality; makes a very attractive appearance on the market. Each 20c, doz. \$1.25 prepaid; by express per 100 \$3.00.

ANCIENT BRITON.—This is regarded as one of the hardiest blackberries and especially adapted to Iowa, Wisconsin and Minnesota. Each 15c, doz. \$1.00 prepaid; by express 100 \$2.25.

SNYDER.—Extremely hardy and very productive. The standard sort for the west. Each 15c, doz. 75c prepaid; by express per 100 \$2.00.



ERIE BLACKBERRY.



CLYDE.



ROUGH RIDER.

IF YOU WANT A LARGE LOT OF NURSERY STOCK WRITE FOR PRICES.

GRAPES.



CAMPBELL'S EARLY.

FAY'S PROLIFIC—One of the most prolific, of excellent quality. Each 15c, doz. \$1.25 prepaid
WHITE GRAPE.—Each 15c, dozen \$1.00 prepaid.

DEWBERRY.

LUCRETIA.—The best dewberry yet introduced for this section. Berries much larger and better in quality than blackberries. Each 15c, doz. \$1.25 prepaid; by express per 100 \$3.00.

GOOSEBERRIES.

JOSSSELYN.—A new variety of gooseberry of superior merit. Very large, hardy, productive and free from mildew. Regarded the best of recent introduction. Be sure to secure one or more plants of this variety. Each 35c, dozen \$2.75 prepaid.

PEARL.—One of the most prolific gooseberries known, very hardy, entirely free from mildew. Superior in size and productiveness to Downing. One of the best of recent introduction. Each 25c, dozen \$2.25 prepaid.

INDUSTRY.—The best English sort yet introduced in this country. Each 25c, doz. \$2.25 prepaid

HOUGHTON.—Each 20c, dozen \$1.25 prepaid.

PEARS.

Any of the following by express or freight each 60c; per dozen \$5.00.

KIEFFER.—Large, rich colored and good quality. Excellent for canning; will keep until late in the winter.

BARTLETT.—Large size of excellent quality. One of the leading varieties.

SECKEL.—Small, but of excellent quality; tree extremely hardy.

PEACHES.

Price each 35c; per dozen \$3.00. Purchaser to pay express charges.

CHAMPION.—Fruit large, beautiful in appearance, excellent flavor, skin creamy white with red cheeks, extremely hardy with freestones. **Crosby**.—Medium size, bright orange yellow, streaked with carmine. One of the best standard market sorts and claimed to be the hardest of all peaches. Ripens in September.



KIEFFER PEAR.

CRAB APPLES.

TRANSCENDENT.—Medium size, golden yellow, rich, crimson red cheek, hardy and abundant bearer.

HYSLÖP.—Large, produced in clusters. Color dark rich red. Late.

WHITNEY NO. 20.—Red striped. Fruit of medium size. Flesh firm and juicy. Early.

Each of above 35c, dozen \$2.75.

EVERGREENS.

(Transplanted.)

Variety.	Size.	Each	Doz.
American Arbor Vitæ.	12 to 18 inches	\$.85	\$ 3.00
American Arbor Vitæ.	18 to 24 inches	.60	5.00
Scotch Pine	12 to 18 inches	.40	4.00
Scotch Pine	18 to 24 inches	.60	5.50
Norway Spruce	12 to 18 inches	.40	3.50
Norway Spruce	18 to 24 inches	.60	5.50
Colorado Blue Spruce..	18 to 24 inches	1.00	10.50

CHERRIES.

EARLY RICHMOND.—Medium size, dark red, juicy acid flavor. One of the most valuable of the early varieties, unsurpassed for cooking. **Montmorency**.—Large red acid cherry, larger than Early Richmond and about ten days later. Very productive. **Wragg**.—Large late acid variety, dark purple; very productive.

Price each 60c; per doz. \$5.00. Purchaser to pay express or freight charges



YELLOW TRANSPARENT APPLE.

APPLES.

Price 35c each; \$2.75 per dozen. Purchaser to pay transportation charges. Ask for prices by the hundred.

SUMMER VARIETIES.

Benoni.—Medium, red, tender, juicy, productive. **Yellow Transparent**.—Earliest and best, tender, juicy, sub-acid. A variety which is always satisfactory. **Red June**.—Medium, of excellent quality. **Duchess**.—Good size, very early, rich, juicy fruit.

AUTUMN VARIETIES.

Maidens Blush.—Beautiful blush cheek, large. **Dyer**.—Light yellow, excellent quality. **Fameuse**.—(or **Snow Apple**)—Medium size, striped with deep red; flesh very white, juicy, excellent quality. **Sweet Swaar**.—Large, yellow, tender, spicy.

WINTER VARIETIES.

Mammoth Black Twig.—Resembles Winesap, but is from one-third to one-half larger; very vigorous, strong grower. Productive, good quality and hardy. **Ingram**.—Is from the seed of Rawles Janet but is larger; tree very productive; valuable for a long keeper. **Wealthy**.—Large, red, showy, sub-acid and productive. **Ben Davis**.—Large, handsome, standard western variety for market. **Grimes Golden**.—Good size, yellow, of highest quality, very productive. **Jonathan**.—Medium, red, extra quality. **Gano**, (or **Black Ben Davis**).—An improved Ben Davis, nearly covered with deep dark red. **Rawles Janet** (or **Janet**).—Medium, yellow striped with red. Rich, crisp and juicy; a long keeper. **Talman Sweet**.—Medium, yellow like Snow apple. **Wagener**.—Is one of the most beautiful winter apples ever grown. Supposed to be a seedling of the Northern Spy. It is much brighter red and of the highest quality; the flesh being crisp, tender, aromatic. You cannot afford to be without one or two trees of this variety. Price, any of above, 35c; doz. \$2.75, by express or freight, at purchaser's expense. Ask for prices by the hundred.

RUSSIAN MULBERRY.

One of the most valuable trees for general planting; perfectly hardy, standing in any locality. We offer good, strong trees 4 to 6 ft. high, 35c each; \$3.00 per doz, 2 to 4 ft. high, 20c each; \$1.80 per doz; small seedlings, \$1.00 per doz, \$3.00 per 100, by express or freight.



SPRUCE.

"AYE, KEEP PLANTIN' A TREE JOCK, IT'LL BE GROW'N WHILE YOU'R A SLEEPIN'."

Des Moines, Iowa, Feb. 1.—During the past summer thousands of persons have admired the beautiful velvety green lawns at our city parks, 489 acres, and we are pleased to say that they were produced by sowing grass seeds furnished by the Iowa Seed Company of this city.—E. J. FAIRALL, Sec'y Board of Park Commissioners.

LAWN GRASS SEED.

*"Thank God for grass! No other glory vies
With the refreshing glory of the grass;
Not even the blue of the o'erbending skies,
Nor fading splendors when daylight dies,
Can this sweet smile of living green surpass."*

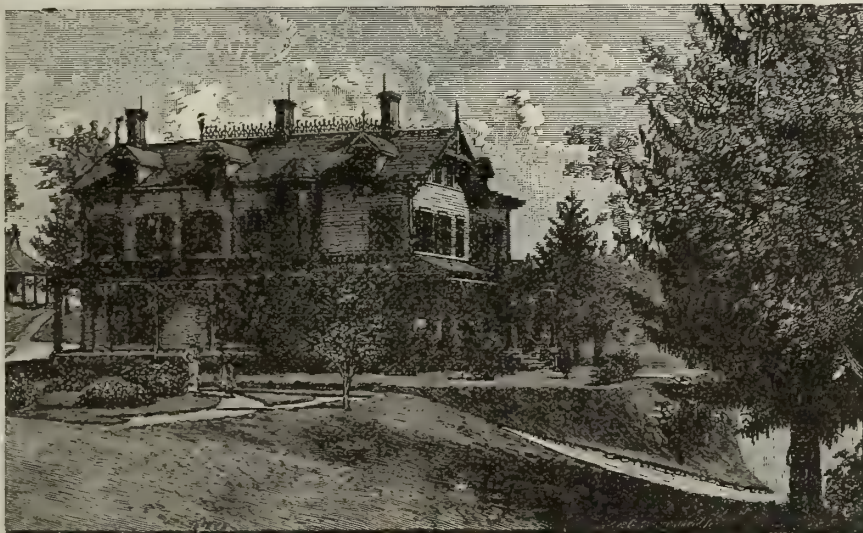
A nice velvety lawn adds more to the beauty of a place than any other adornment, and even the humblest home may be made attractive with such surroundings, while without a good lawn even the finest flowering plants and elegantly arranged beds seem insignificant. How important it is then to plan for the best lawn obtainable. Do not spend money in sodding a lawn, for it is expensive and seldom satisfactory. When sod is cut from the roadside or some out of the way pasture, it is poor in quality and full of weeds, and when unevenly laid produces a rough surface which disfigures the lawn. It costs much less to sow the seed and the lawn is far better. Ask for circular, "How to Make a Lawn."

EVERGREEN MIXED LAWN GRASS SEED.—This is a mixture of the best varieties of grass seeds suited for growing together in the central and northern states, and will make a beautiful, soft, velvety lawn and as handsome green as an emerald and is formed of grasses which keep green from early spring all through the hot dry summer weather, until late in the fall. It comes up quickly (in about two weeks after seed is sown), and after once up it soon spreads to cover the ground and is ready for the lawn mower in six to eight weeks. It is permanent, main aining its beauty for a life-time although it is a good plan to give any lawn a top seeding once every two or three years. This mixture is made by ourselves from new crop, re-cleaned pure seeds of the best varieties, well suited for even and permanent growth, as good as money can buy. It cannot be excelled for producing a rich velvety lawn of beautiful dark green color. Price per qt. (will sow 300 square feet), 25c; 4 qts. 85c, postpaid. By freight, per bu. (15 lbs.) \$2.75; 50 lbs. \$8.00; 100 lbs. \$15.00.

TERRACE LAWN MIXTURE.—It is sometimes difficult to get a good sod on sloping ground, terraces, side hills or embankments. This is a mixture of such grasses as have strong spreading roots, making a close turf, which heavy rains cannot wash out easily. Qt. 35c; 3 qts. 90c, postpaid. By frt. per bu. (15 lbs.) \$3.60.

CENTRAL PARK LAWN GRASS.—A very nice mixture for lawns, but is of special value for parks and around country homes where it is not convenient to mow the lawn frequently. It contains some fragrant grasses which give out a delightful odor when growing or when cut. It is the grass for country homes, parks and large estates and for this purpose sow about 50 lbs. per acre. Qt. 20c, 4 qts 75c, postpaid. By freight, bu. (15 lbs.), \$2.50; 100 lbs. \$14.00.

KENTUCKY BLUE GRASS.—Our stock of this is the best grade of fancy cleaned new crop tested seed. Lb. 30c, 3 lbs. 75c, postpaid. By freight, bu. (14 lbs.) \$1.60.



WHITE CLOVER.—The well known common white clover is very hardy and its dwarf growth makes it desirable for lawn mixtures. Its close, dense turf and creeping habit make it desirable for terraces and sloping ground. Seed is very small and it requires but little in mixtures. Lb. 40c, 3 lbs. \$1.10, postpaid. By freight, peck \$3.25, bushel (60 lbs.) \$12.00.

SOUTHLAND MIXTURE.—In the southern states there is frequently trouble to secure a lawn. This mixture is made of Southern Blue Grass, Bermuda Grass and other varieties adapted to a hot, sunny climate. Together they make a nice bright lawn the year round. Qt. 40c; 3 qts. \$1.10, postpaid.

Landscape Gardening.

Each year we receive many requests from our customers for the services of a landscape architect to plan their grounds. It costs no more for plants, trees, shrubbery, etc., to have them artistically arranged, than when planted in a haphazard way, and the expense for securing the services of a landscape architect is frequently more than saved by the benefit of his experience and the better results obtained from the judicious use of plants in such a way as to secure the best effects. In grading the grounds, alone, the specialist may save you more than enough to cover the cost of his services.

There are very few practical landscape architects in the United States, but we have secured the services of one who is now making his home in Des Moines, though his business calls him to various parts of the country, and his success in planning private grounds, parks, cemeteries, etc., have pleased, we believe, all his patrons. We have arranged with him to make plans and suggestions for any detail of garden work to be carried out with bedding plants, free of charge for our customers, but when detail drawings and specifications are required for permanent improvements in regular landscape work, including fountains, walks, driveways, arbors, etc., he will charge a reasonable amount for his skill and services and will make such detail drawings as may be considered necessary, and leave the customer free to purchase stock either from us or from anyone else. Arrangements may also be made with him to go personally and inspect the grounds if any of our customers should desire it, if they will pay his car fare and hotel bills. This will give our customers an exceptional opportunity to have their places planned by a competent man. We would suggest that in writing that they send us a sketch of the grounds showing if possible in outline the plan and size of the buildings and their location on the ground all drawn to a scale of 16 feet to the inch. Also some idea of the slope or any peculiar features regarding the grounds. He will then quote prices for plans and specifications of the work. It is well to remember, however, that each piece of ground is an individual that must be studied separately as to its own characteristics and also with reference to its surroundings and the owner's taste and needs.



Root of grass showing need of fertilizer.



Root of Grass showing the effect of using Peerless Lawn Dressing.



SHADY PLACE

SHADY PLACE LAWN MIXTURE.—This mixture is a combination of fine dwarf growing, evergreen varieties of grass, which grow naturally in the woods or in shaded spots. They are mixed in proper proportions to make a fine lawn under shade trees. Sow seed thickly, 1 quart to 150 square feet. Qt. 85c; 3 qts. \$1.00, postpaid. By freight, bu. (15 lbs.) \$4.00.

GOLF LINK MIXTURE.—This is a mixture of various sorts of fine grasses which when liberally sown will produce a fine green sward. They grow vigorously when cut closely, form a fine mass of interlacing roots, and also differ in their seasons of maturity, so that a succession of fresh growths is secured from earliest spring to the latest fall. Qt. 30c; 3 qts. 75c, postpaid. By freight, bu. (15 lbs.) \$3.00.

POTTING-GREEN MIXTURE.—A mixture of extra fine grasses, that will make a close, firm, green and lasting turf; improves the more it is tramped. Qt. 50c; 3 qts. \$1.25, postpaid. By freight, bu. (14 lbs.) \$4.00.

SWEET VERNAL.—A very fragrant grass and everyone should sow a little of it in mixture with other kinds as it exhales a pleasant aroma when lawn is cut. Per lb. 35c, 3 lbs. 85c, postpaid.

FOR PERMANENT IMPROVEMENTS PLANT SOME HARDY ROSES AND FLOWERING SHRUBS.

LAWN SUPPLIES.

ALL OF THE BEST QUALITY.

NEW BALL BEARING CONQUEROR LAWN MOWER.—For six years past one of the oldest and largest mow cutters has been experimenting to adapt the ball-bearing and other new features to lawn mowers. For two or three years he has put out a few dozen each year to give them a practical test and they have proved wonderfully successful. Two years ago he put them into our hands, and we can now offer our customers by far the best mower ever put on the market. The shaft is extra heavy, bearing four cutting knives, and it runs at a high speed compared to ordinary mowers. This gives it a continuous cut and makes a smoother, cleaner lawn. The wheels are nine inches in diameter, with skeleton rims. It has parallel bearings provided with micrometer adjustment, so that practically it cannot wear out. Stationary knife is of the best cast steel, hardened, tempered and self-sharpening. In all respects it is designed for hard, continuous service, and still the ball-bearings and all parts are so perfectly adjusted that it runs as easy as a bicycle. As will be noticed the handles are a new style made specially for us. If desired we can furnish mowers with the ordinary handles at 50c less. The mowers are warranted, and we are sure will please the most particular. Price for mower cutting 14-inch swath, \$6.50; 16-inch, \$7.00; 18-inch, \$7.40; 20-inch, for large lawns, \$7.75.

IOWA CLIPPER LAWN MOWER.—For five years we have sold a great many of these and they gave splendid satisfaction everywhere. It is thoroughly well made, runs easily, does excellent work, cutting smooth and clean. Diameter of drive wheels 8 1/2 inches. Its cutting bar is solid steel and all parts are of best quality, while its simplicity of construction insures durability and also lessens the cost. By purchasing a large number we are enabled to offer them at wonderfully low prices. Price for mower cutting 12-inch swath \$2.75; 14-inch, \$3.25; 16-inch, \$3.75.

EXCELSIOR HORSE LAWN MOWERS.—The best make, 30-inch cut, \$40.00; 35-inch cut, \$45.00; 40-inch cut, \$50.00.

FINLAY ROTARY LAWN RAKE.—It does the work of raking and gathering up all loose grass, leaves, twigs and loose litter. It works very rapidly and cleans the lawn thoroughly. Price \$12.00.

IMPROVED GRASS SHEARS.—An improvement on the ordinary grass or sheep shears. Has long blades and handle is curved to prevent rubbing knuckles on the ground when using. Each 50c.

TURF EDGER.—For trimming borders of walks, drives, etc., to make a square edge. Price 50c each.

RUBBER HOSE.—Few realize the great difference there is in the quality of rubber hose. The price ranges from \$2.00 to \$12.00 per length of fifty feet. The low grades will not stand ordinary water pressure, and are gone in a few days. The most expensive grades are intended only for steam. For general use the grades which we offer this year, are, we believe, superior to any other. We want to warn every one not to leave their hose out in the sun when not in use as the water left in it gets very warm and will rot out the best of hose.

SAMPSON RUBBER HOSE.—A high grade of five ply rubber hose. Per coil of 50 feet, \$7.50.

GREEN LINE COTTON HOSE.—Many persons consider the cotton hose more serviceable than rubber. Per coil of 50 feet, \$8.00.

DEFIANCE RUBBER HOSE.—(Half Inch).—Every year the half inch hose is becoming more popular as it is lighter and easier to handle. Per coil of 50 feet, \$5.00.

GRASS HOOKS OR SICKLES.—Useful for trimming the edges of lawns, next to fences, around trees, shrubs, etc. Price 25c each or a superior quality for 40c.

PEERLESS LAWN FERTILIZER.—Lawn grass is a voracious feeder, and will not thrive and hold its beautiful dark green color and velvety appearance unless it is suitably fed. The lack of this one requisite causes many poor and rusty looking lawns. Do not use barn manure as it is apt to contain objectionable grass seed and noxious weed seeds, which you will have to fight for years to come. It is unpleasant to handle, ill-looking and decidedly odorous and dangerous to health. It cannot be evenly distributed, the result being that one spot is over nourished while the next is starved. All these objections are obviated by the use of our Peerless Lawn Dressing. It is prepared specially for lawns and is of the best quality, dry, finely pulverized and easy to apply. It possesses in the highest degree and concentrated form those constituents best calculated to nourish the grass, promote its luxuriant growth, and the dark green color so greatly admired. It is not only the most perfect lawn dressing that has been devised, but it is the most pleasant to handle, being practically non-odorous. Being dry and fine it is easy to apply, and imparts a vigorous growth to the grass. In preparing a new lawn, sow 10 to 30 lbs. per 1000 square feet of surface, according to richness of soil, raking it in thoroughly. For a top dressing on old lawns, use half this amount, about 10 lbs. for 1000 square feet of lawn, or 400 lbs. per acre, early in spring. Price per 10 lb. package, 60c; 25 lb. pkg. \$1.00; 50 lb. pkg. \$1.85; 100 lbs. \$3.50; 400 lbs. \$12.00.

ESTIMATES.—On lists of Lawn Grass Seeds, Shrubbery or Decorative Plants, Lawn Supplies, Etc., furnished on application, and customers may depend on honorable treatment and lowest prices, considering quality. Send your list to us for our prices. We can please you.

PLANT A NICE BED OF CANNAS ON YOUR LAWN FOR CONTINUOUS DISPLAY.



IRON RESERVOIR VASES.—These are the best vases made for general use, as well as for cemeteries, as they do not require watering oftener than once in ten days. The top part or earth receiver has a tube in the bottom extending down into the water reservoir which is packed with moss or sponges through which the moisture is drawn up into the earth by capillary attraction so that the roots of the plants always have sufficient moisture and are never over watered. Price, \$10.00 each; larger size, \$20.00.

EUREKA WEED KILLER.—Weeds, grass and moss are a nuisance on gravel and brick walks and driveways. They are easily killed and the walks made bright and clean by using this preparation, one package of which is sufficient when mixed with 25 gallons of cold water to clear 100 square yards. Package 75c, by express.

ANT EXTERMINATOR.—Lawns sometimes become infested with ants which disfigure it with unsightly heaps of dirt and kill the grass in spots. Many experiments have been tried to destroy them, with but little success, until the invention of this new preparation which does the work. Per package 50c, or postpaid for 60c.

DANDELION PULLER.—A convenient little tool of special value for use on lawns. 50c each.

CLIMAX LAWN WEEDER.—A simple and easy working device for removing noxious weeds and plants from lawns. Easily operated and does effective work. The full length is 42 inches, enabling the operator to stand erect. Push the chisel under the plant at an angle that will sever the roots. A slight pull on the trigger brings the grab down which securely holds the plant, lifting it out and leaving only a slight mark. Price, \$1.00.

SELF-CLEANING LAWN RAKE.—Best cheap device for raking the lawn. Automatic self-cleaner, keeping the teeth clear. 75c each.

GRASS CATCHERS.—The most successful device yet brought out for the purpose. It is easily attached to any make of lawn mower that you know of, and as it fastens to the handle only, it does not in any way interfere with the action of the mower. Our cut shows it adjusted ready for use. It can be almost instantly loosened at the lower end to dump the grass. No. 1, suitable for the 12 or 14 inch low wheel or ordinary lawn mowers, each 50c. No. 2 for 14 or 16 inch high or low wheel, 65c. No. 3 for 16 or 18 inch high or low wheel, 80c. No. 4 for 20 inch high wheel, extra strong, \$1.00.

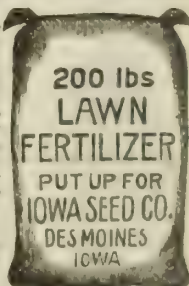
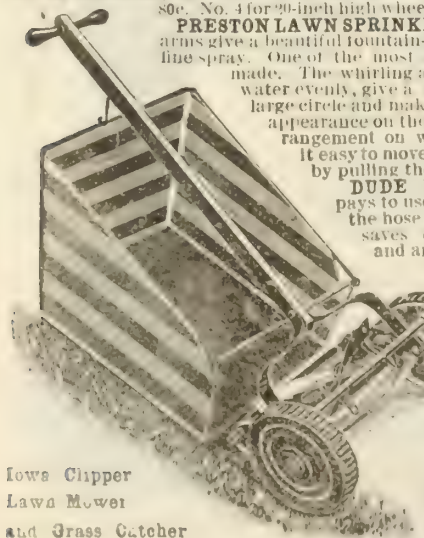
PRESTON LAWN SPRINKLER.—The whirling arms give a beautiful fountain-like appearance and fine spray. One of the most effective sprinklers made. The whirling arms distribute the water evenly, give a fine spray, cover a large circle and make a very attractive appearance on the lawn. The sled arrangement on which it rests makes it easy to move from place to place by pulling the hose. Each \$1.35.

DUDE HOSE REEL.—It pays to use a reel as it keeps the hose in better shape and saves considerable labor and annoyance. Price 85c.

MAGIC NOZZLE.—Sprays or will throw a solid stream. Each 50c.

CLIMAX WEEDER.—A simple and easy working device for removing noxious weeds and plants from lawns. Easily operated and does effective work. The full length is 42 inches, enabling the operator to stand erect. Push the chisel under the plant at an angle that will sever the roots. A slight pull on the trigger brings the grab down which securely holds the plant, lifting it out and leaving only a slight mark. Price, \$1.00.

Iowa Clipper
Lawn Mower
and Grass Catcher



TOOLS AND IMPLEMENTS.

To reduce the cost of gardening it is necessary to have the best tools. A good wheel hoe is as much superior to a common hoe for cultivating a garden as a mowing machine to the sickle in the hay field. All of the following tools have been thoroughly tested, and for their own particular class of work, have given splendid satisfaction. Notice reduced prices. If you desire it, we will send illustrated circular describing any of the tools in which you are interested.

MATTHEWS' NEW UNIVERSAL CONSTELLATION DRILL.—The latest improved, and we are convinced that this new tool is one of the best. For many years we used the Matthews' Seed Drill on our own farm, and this is improved in many ways. It sows perfectly all kinds of seeds at any depth with mechanical precision, covering and rolling it down in the most approved manner; has a very complete set of cultivating attachments consisting of plows, hoes, rakes and cultivator teeth as shown in cut. Can be used either with one or two wheels and the seeding apparatus is detachable and interchangeable with the cultivator tools. Price only \$8.50.



MATTHEWS' NEW UNIVERSAL CONSTELLATION DRILL AND CULTIVATOR.

MATTHEWS' NEW UNIVERSAL GARDEN DRILL.—A new one wheel drill of superior merit. It is particularly adapted to planting all kinds of garden seeds. The depth may be gauged to any required space and will make a uniform deposit of the seed. The single wheel seeder is considered by many as superior to any double wheel drill. Price \$6.50.

PLANET JR. NO. 4, COMBINED SEEDER AND CULTIVATOR.—This latest improved tool is giving good satisfaction. It combines in a single convenient implement a first-class mill dropping seeder, a perfect drill seeder, a single wheel hoe, a cultivator, and a plow. It holds two quarts and as a seeder it sows in continuous rows, or drops in hills 6, 9, 12, 18 or 36 inches apart. It is thrown out of gear by simply raising the handles. The index is accurate, simple and easily set. The drill is detached and the tool frame substituted by removing but one bolt. It then becomes a single wheel hoe, garden plow or cultivator. With this one implement the small farmer can do practically all the work in his small crops. Price \$10.00. Set of three rakes, if desired, \$1.00 extra. Price for plain drill, without cultivating attachments, \$8.00.

PLANET JR. NO. 1, COMBINED DRILL AND CULTIVATOR.—This is the most popular tool we have ever sold. As a plow it opens furrows, covers them, hills,

plows to and from, etc. As a hoe, it works safely to and from both sides of the row at once, or between rows. As a cultivator it is admirably adapted to deep mellowing of the soil. Each machine is sent out with the tools shown in the cut. Price \$9.00. Pair of rakes for same 50c extra.

PLANET JR. NO. 8, HORSE HOE.—Probably no other cultivating machine is so widely known as the "Planet Jr." Combined Horse Hoe and Cultivator, for it is in use throughout the civilized world. It is so strongly built as to stand incredible strain, yet it is light and easy to handle. The depth is under perfect control by a new lever wheel and patent depth regulator, moved instantly in unison by a single lever, making exact work, steady-

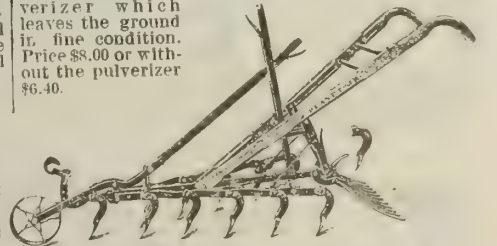
ing the machine and relieving the operator. The reversible side hoes act as plows or hillers, but when turned end for end the tool becomes a genuine horse hoe, working so shallow and so close, without injury to the roots, that an immense amount of hand labor is saved. Price \$8.00.

MOORE'S GARDENER.—A new tool which proved very satisfactory last year.

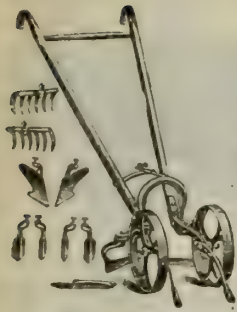
It is a two-wheeled cultivator with very high wheels so fastened to frame that it is very easy to operate. Handles are instantly adjusted so as to be suitable for man or boy. It is reversible so that you can change it from a wheel hoe to a cultivator with moving a single bolt. Price complete with hoes, cultivators and new style weeder, only \$6.25.

MOORE'S SINGLE WHEEL CULTIVATOR.—Has 23-inch wheel and is supplied with plow, scuffle hoe, weeder and cultivator teeth. Price only \$3.90.

PLANET JR. TWELVE-TOOTH HARROW.—For fine cultivation either deep or shallow, this has no equal. Hand levers regulate both width and depth while in motion. It cultivates deep without throwing earth upon the plants, and the smooth, round throated teeth turn strawberry runners without injuring them. We know and will guarantee it to be the best harrow on the market. The recurved throat and high frame prevent clogging, and the reverse position is given to the teeth in a very short time by changing a single bolt in each. It is provided with a pulverizer which leaves the ground in fine condition. Price \$8.00 or without the pulverizer \$6.40.



PLANET JR. 12-TOOTH HARROW AND PULVERIZER



UNIVERSAL DOUBLE WHEEL HOE.

row at once in a most thorough manner. It has all the attachments shown in cut, consisting of one pair each of hoes, plows, rakes, narrow cultivator teeth, and wide cultivator teeth. Also a pair of leaf lifters or vine guards which are quite a help when plants become large. The adjustable arch not only forms a means for gauging the depth of work to be performed, but, by an ingenious device enables the teeth to be pitched at any angle desired. Price only \$5.50.

UNIVERSAL DOUBLE WHEEL HOE.—Plain.—The above tool with only one pair of hoe blades for \$3.50.

PLANET JR. NO. 16, SINGLE WHEEL HOE.—This latest and best single wheel hoe has a very full set of tools, several of them being of new design, such as have been found to work in the very best manner. It has 11-inch wheel, with broad face; is very light, strong and easy running. It has adjustable handles and quick-change frame. The tools are a well-shaped plow, a pair of 6-inch shield hoes and three all steel patent cultivator teeth, also a set of two rakes and a practical leaf guard. Price \$5.35.

PLANET JR. NO. 17, SINGLE WHEEL HOE.—Has one pair of hoes, three cultivator teeth and a plow. This is just the right assortment of tools for a family garden and should become very popular. If desired, the rakes and other attachments can be added later to make a complete tool. Price only \$4.50.

PLANET JR. NO. 12, DOUBLE WHEEL HOE.—This most practical tool is made for gardeners. The arch is high enough to enable the operator to work both sides of the row at once until the plants are eighteen inches high, then the wheels can be set close together and work between the rows. It will do the work of six men with ordinary hand hoes. The cultivating attachments consist of one pair of six-inch hoes; two pairs of hollow steel cultivator teeth; one pair of plows, and one pair of leaf lifters. Price \$6.50. Rakes 75c per pair extra.

PLANET JR. NO. 13, DOUBLE WHEEL HOE.—This is identical with No. 12 described above but has only one pair hoes; no other attachments. Price \$4.25.

PLANET JR. NO. 3, SEED DRILL.—We regard this drill as the acme of perfection, and most decidedly the best seed sower made. It will sow perfectly, either in a continuous row or drop the seeds in hills 4, 6, 8, 12 or 24 inches apart. It opens the furrow, drops in hills or drills, covers, rolls down and marks the next row all at one operation. It has a force feed, sows equally well whether the hopper is full or contains only a paper of seed. Price \$10.00.

FIRE-FLY FLOW.—This is one of the nicest little tools imaginable. With it you can plow the ground, even if hard, by attaching ropes to the eyelet holes on each side of the wheel. It makes the care of the vegetable garden a pleasure. Price only \$2.25.

FARMERS' SINGLE WHEEL HOE.—This is made by the manufacturers of the celebrated Planet Jr. tools and is especially designed for the farmers' garden work.



FARMERS' SINGLE WHEEL HOE.

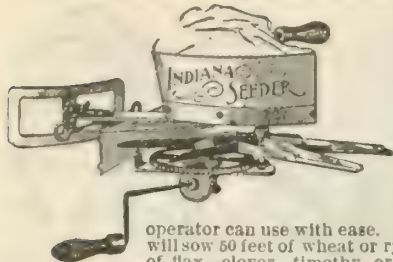
The wheel is high so that it runs easily. The attachments consist of a large plow steel, a 10-inch sweep, 6-inch sweep, 4-inch cultivator tooth, and a 2-inch cultivator tooth. It is strong, well made and can be quickly set so as to be useful whether in the hands of a man or woman, boy or girl. Strength, variety of tools, and cheapness are its great virtues. Price \$3.75.

ACME SEED DRILL.—A little tool of very simple construction. While not equal to the more expensive drills, still thousands of persons have been pleased with them. Price \$1.25 or to persons who order seeds from us also, the price will be only \$1.00, charges prepaid.

CLIPPER SEED CLEANER.—This is an up draft fanning mill and does the best work in cleaning all kinds of seed and grain, and farmers would in many cases save the price of a mill by cleaning and grading up their grain before selling. Price only \$22.00, or if sent direct from the factory in Michigan, only \$19.40.

SPECIAL PRICES.—If you want any tools and a bill of seeds send list for our special quotations.

SPECIAL PRICES MADE ON PLANET JR. TOOLS WHEN ORDERED WITH A BILL OF SEEDS.

INDIANA BROADCAST SEED SOWER.

operator can use with ease. It weighs only 3½ pounds; will sow 50 feet of wheat or rye at a round, 30 to 36 feet of flax, clover, timothy or millet; light grass seeds 15 to 30 feet. Price only \$1.50.

LITTLE GIANT BROADCAST SEED SOWER.—Simple in construction, light, strong and durable, no feed plate to carry and only weighing 3 pounds complete. Will sow orchard grass, clover, timothy, wheat, etc. Even if you have only a small field to sow, it will pay you to have one of these so as to get it distributed evenly. Each \$1.25.

IOWA BROADCAST SOWER OR GEARED LITTLE GIANT.—An improvement on the Little Giant in that it retains its valuable characteristics, but instead of working with a fiddle bow, it is operated with a crank. Price \$2.00.

EUREKA POTATO PLANTER.—The best hand potato planter that we know of as it does the work perfectly. Also plants beans and seed corn equal to any corn planter. See illustration. Price \$1.25.

GARDEN TROWELS.—5 inch 10c, by mail 15c; 6 inch 15c; by mail 20c.

FLORIST TROWELS.—Extra heavy 40c; by mail 50c.

DIBBER.—Steel pointed, for transplanting vegetable plants. Each 30c, by mail 40c.

WATER'S TREE PRUNER.—The standard make; with 6 ft. pole, 85c; 8 ft. pole, \$1.00; 1 ft. pole, \$1.20.

IMPROVED HAND PRUNING SHEARS.—The best hand shears on the market. Made specially for pruning berry or rose bushes, grapevines, etc. Made of best steel, 8 in. long, spiral spring. Price 75c, postpaid 90c.

CONNECTICUT PRUNING SHEARS.—A good tool for most work. Steel blades, flat spring, malleable handles. Price 50c, postpaid 65c.

WILKINSON'S HEDGE SHEARS.—The best hedge trimmer that we know of. Prices, 10 inch blade, \$3.00; 12 inch blade, \$4.00 per pair.

CONCAVED AND CURVED SEED POTATO KNIFE.—It is thin and of the right shape to cut 1, 2 or 3 eye pieces fast and not crack the tube, nor injure the germ. Each 35c, postpaid.

HOTBED THERMOMETER.—A tested 10 in. thermometer, incased in a round wood tube, with open face, pointed brass bottom. Each \$1.00.

RAFFIA.—Excellent for tying asparagus and other vegetables. Also used for budding. Lb. 25c; 10 lbs. \$2.00; by mail, lb. 41c.

"HANDY" CORN SHELLER.—Sheller is simple, strong, convenient and cheap. Can be used for shelling seed corn, pop corn, corn for chickens, etc. Weight 15 lbs. Price \$1.75.

LANG'S HAND WEEDER

—It is in our opinion the best weeder made. Its special advantage over all other weeders of this class is that it has a band which passes over the fingers, which when the tool is not in use, gives full use of the hand for pulling weeds and thinning out plants without laying down the tool. Price 25c, \$2.50 per dozen, or 30c each, postpaid.



RAMSEY ADJUSTABLE CORN HUSKER.—Farmers say that with it they can husk 25 to 30 per cent more corn and can do it with less labor. The strain does not come on the fingers and thumb, but is on the strongest part of the hand. The husker is attached with triple straps and three buckles and fits the hand perfectly, leaving the fingers free and making a perfect wrist support. Price 50c each, postpaid; 6 for \$2.50.



EXCELSIOR WEEDING HOOK.—Can be used to great advantage among small and tender plants. Price 10c, doz. \$1.10, or postpaid for 20c, each.

GALVANIZED WIRE TRELLIS.—For Vines, Peas, Tomatoes, etc.

Indispensable in every well-kept garden, is easily put up, more tidy than brush and practically indestructible. Can be rolled up, stored away and used again year after year. The best trellis made for Sweet Peas and other flowering vines, as well as for garden peas, tomatoes, etc. Trellis of best galvanized netting, 4 ft. wide 2 inch mesh, is furnished in 10 foot lengths. Price, per 10 ft. length, 40c, per dozen length, \$4.00.

**GALVANIZED WIRE GARDEN TRELLIS.**

ROTARY CORN PLANTER.—Decidedly the best hand corn planter made, and a very desirable implement for those who have but a small field, or need to replant their ground. It puts the corn exactly where you want it and at a proper depth. Price \$1.50.

REDDICK MOLE TRAP.—If you are bothered with moles you should purchase one of these traps. It is undoubtedly the best trap made and no mole can pass under it and live. Price only \$1.00.

DANDELION PULLER.—Each 25c, by mail 40c.

SPHAGNUM MOSS.—Clean, nice moss which is used largely for packing fruit plants for shipment. It is put up in large bales. Price \$1.25 per bale; 5 bales or more at \$1.10; 10 bales \$1.00.

SCREW BIRD CAGE HOOKS.—The most popular style as it is inconspicuous, neat, cheap and makes only one hole in the casing. Nice for bird cages or hanging baskets. Each 5c, postpaid 12c.



ROTARY PLANTER

FLUTED FLOWER POTS.—A handsome pattern. The following prices per dozen are for the pots and saucers: 4-inch 40c, 6-inch \$1.00, 7-inch \$1.50, 8-inch \$2.40, 9-inch \$3.00. We make no charge for packing or delivering at the depot here. Orders for these must amount to at least \$1.00.

Raffia Work.

Making Indian Baskets is now attracting a great deal of attention and the work is taught in public schools art classes, etc. It is a very interesting and fascinating pastime, is easily learned and many ornamental pieces are made. We furnish the materials in large quantities to schools, as well as to private parties, but have never before offered it in our catalogue. Our stock, however, is unsurpassed.

REDDICK MOLE TRAP.

NATURAL RAFFIA.—Per bunch (about 3 ozs.) 10c; lb. 25c; 5 lbs. \$1.00.

COLORADO RAFFIA.—In many handsome colors, such as light and dark red, pink, three shades of green, light and navy blue, light and dark brown, orange yellow, black, purple, white, etc. Price per bunch (about 2 ounces) 10c; lb. 75c. Mixed colors same price.

REEDS.—(Rattan.)—Any size, 10c per bunch. The No. 1, \$1.25 per lb; No. 2, \$1.00; No. 3, 85c; No. 4, 75c; No. 5, 60c; No. 6, 50c; No. 8, 45c per lb.

POSTAGE.—If to be sent by mail add 3 cents per bunch, 16 cents per lb. for postage on the above Raffia and Reeds.

RAFFIA NEEDLES.—12 cts per pkg. postpaid.

HOW TO DO IT.—A book telling how to make baskets and other Raffia weaving. Price 25 cts.

CUT FLOWERS.

Owing to the fluctuation in the value of cut flowers at various seasons of the year, it is impossible to give a list of prices in this catalogue, but we will quote lowest prices on any list of flowers desired, by mail. Roses vary from \$1.00 to \$4.00 per dozen, and Carnations from 25c to \$1.00 per dozen. They are always much higher at Christmas and Easter than at any other time.

BOUQUETS OF FLOWERS.—\$1.00 to \$5.00 each.

BOUQUETTES FOR GENTLEMEN.—75c to \$2.00 per dozen.

FLORAL BASKETS.—Tastefully filled at \$1.00 to \$15.00 each.

WEDDING EMBLEMS AND FUNERAL DESIGNS.—A great number of styles at \$1.50 to \$25.00 each.

TERMS on Cut Flowers are strictly cash with order. We do not care to ship C. O. D. Have bank telegraph for you if time is limited.

WE DO NOT PREPAY THE CHARGES ON ANY TOOLS OR SUNDRIES EXCEPT WHERE NOTED.

SPRAYERS AND INSECTICIDES.



DAISY SPRAYING PUMP.

which works with a compressed air pump automatically. Will give a fine mist spray or throw a solid stream 20 feet high. To obtain best results, do not fill the tank more than one-half to two-thirds full of the liquid used. It is provided with a safety valve to prevent over pressure and a strainer so that no sediment can obstruct the pipe. Can be operated by boy or man without experience. Complete with hose and new style spring faucet only \$2.50.

TYRIAN PLANT SPRINKLER.—With it you can, without injuring the plants or soaking the earth, quickly and very effectively sprinkle them. It will render valuable aid in keeping the foliage fresh and healthy and free from insects of all kinds. The bent neck enables you to spray the under sides of the leaves, which are usually the insects' hiding place.



TYRIAN PLANT SPRINKLER.

LIGHTNING ATOMIZER NO. 2.—Decidedly the best insect exterminator on the market. The reservoir is made of the best brass with double tube and has double the capacity of any other atomizer that we know of, thoroughly covering a wide space at each action of the handle, and the spray is so fine that it thoroughly covers both under and upper side of the leaves. Invaluable for spraying plums, grapes, currants, melons and all other fruit and vegetable plants. Price only \$1.00, postage 25c.

STAR INSECT POWDER GUN.—Handy size for house use to blow powder in cracks and crevices. 10 cts. each; postpaid 13 cts.

DALMATIAN INSECT POWDER.—The best grade, fresh and nice. It does not pay to use the cheap ordinary grades. Lb. 40c, 5 lbs. or more at 35c; postage 16c per lb. extra.

TOBACCO DUST.—Destroys rose bugs, lice, cut worms, vine bugs, tomato worms, currant worms, cabbage lice and parasites of all descriptions. Should be applied when the foliage is wet. Also a most complete fertilizer for plants and vines; will not burn or injure the plants. Price, lb. 10c; 5 lbs. 25c; 16c per lb. extra if by mail.

SULPHO-TOBACCO SOAP.—For a cheap, effective, clean and harmless insecticide for Amateur and Professional growers this is unexcelled. Quickly exterminates all insect life on plants and flowers in and out of doors. Unsurpassed for rose bushes. For domestic purposes it rids the house of cock-roaches, and is a superior wash for dogs and all animals. Prevents poultry lice. A trial will give highly gratifying results. 3-oz. Cake, sufficient for 1½ gallons prepared solution, 10c, mailed postpaid 13c. 8-oz. Cake, sufficient for 4 gallons prepared solution, 20c, postpaid 28c.



SPRAGUE'S FLY BOUNCER.—It instantly drives away flies, mosquitoes and all other insect pests. It is a relief to cows, horses, etc. Stock of any kind sprayed with Fly Bouncer will not be troubled with insects while feeding. It is excellent for barbed wire cuts and other injuries. It prevents inflammation and causes wounds to heal rapidly. Can be economically used by using our Faultless Sprayer. Price, ½ gal. can \$1.00, 1 gal. can \$1.50, 5 gal. can \$7.00.

DUSTERS.—For Hammond's Slug Shot, each 55 cts.

Each year proves the importance of spraying fruit trees and plants in order to destroy the insects and secure a good crop of fruit. The largest and most successful fruit growers are the most enthusiastic on spraying. It will pay you to invest in spraying apparatus if you have only one fruit tree. The spraying of apple and plum trees is especially recommended. Will furnish table giving formula for making mixtures and directions for application of same upon request.

DAISY SPRAYING PUMP.—This popular little sprayer is shown by our illustration. We sell hundreds of these pumps which are used for spraying insecticides and whitewash in the poultry house, also for spraying fruit trees and plants. Can be changed so as to throw a solid stream of water 20 to 30 feet high and used for washing windows, buggies, etc. Price only \$1.00. Can be sent by express only.

RIPLEY'S COMPRESSED AIR SPRAYER.—After careful examination and test of a number of Compressed Air Sprayers we have decided to offer the Ripley, having been convinced that it is the best constructed and most durable of any on the market. Compressed Sprayers are coming rapidly into use and are the most satisfactory for ordinary work, especially for plants of all kinds and trees that are not more than 2½ feet high. It is claimed by the manufacturer that it will stand a greater pressure and force a finer spray or a continuous stream a greater distance than any other compressed sprayer made. It is made to strap to body and a person can walk along and spray at leisure by simply turning the stop cock off and on. These sprayers are all fitted with single Vermorel nozzle for fine or coarse spray, and with three feet of hose

No. 15—4 gal. galvanized, the most convenient size, each.....\$5.00
No. 16—4 gal. copper, will last the longest in using poison solutions..... 7.00

LIGHTNING COMPRESSED AIR SPRAYER NO. 30.—An improved heavy, galvanized iron tank, holding two gallons

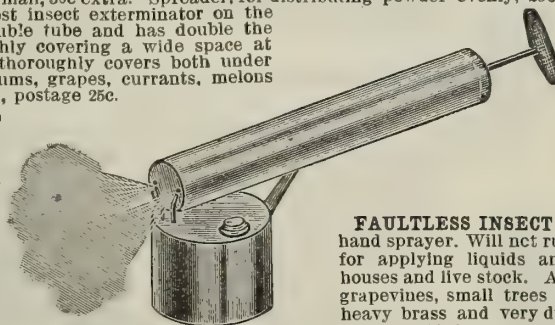


LIGHTNING C. A. SPRAYER.

If you wish an up-to-date and very useful article, by all means secure a Tyrian Plant Sprinkler. Each 75 cents, postpaid.

DISPARENE.—After two years test in our own orchard we are convinced that this is the best of all insect destroyers. It is safe to use on even the most tender foliage and stays on well. Price 2 lb. can 60c; 5 lb. can \$1.20 by express.

BELLOWS.—Useful for applying Slug Shot or any kind of insect powder. It is thoroughly well made and works well. Length 23 inches. Holds 6 ounces of powder. Price \$1.00. Postage, if sent by mail, 30c extra. Spreader, for distributing powder evenly, 25c.



LIGHTNING ATOMIZER NO. 2.

ANT EXTERMINATOR.—A non-poisonous powder which, when sprinkled around, will kill or drive away ants from lawns, trees, houses etc. Price 25c, by mail 30c; large pkg. 60c, by mail 60c.

HAMMOND'S SLUG SHOT.—A combination of the most potent insecticides and soluble plant foods. It destroys all insects injurious to house and garden plants, shrubs, trees, vines, potatoes, melons, cabbages, currants and vegetables and fruit of all kinds. This preparation, though poisonous to insects, does not injure the foliage in the least. When you order your seed, if you have not tried Hammond's Slug Shot, order a 5 or 16 lb. pkg. Not prepaid, 5 lbs. 30c; 10 lbs. 60c; 25 lbs. or more at 5c per lb.; postpaid, 1 lb. 25c, 4 lbs. 95c.



Spraying Instructions. A circular giving full formula for making all the best spraying preparations and instructions how and when to use, mailed free on request.

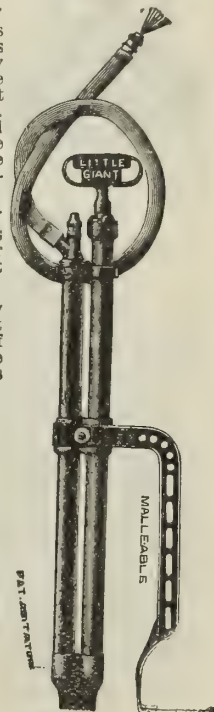


RIPLEY'S COMPRESSED AIR SPRAYER.

THE LITTLE GIANT BUCKET SPRAY PUMP.—Constructed entirely of brass and is provided with a large air chamber and has ball valves, and the pressure is held uniformly in the air chamber and on the hose, so that the nozzle throws a continuous spray and is not affected by the movement of the plunger. Will throw a solid stream 50 to 60 feet; fitted with hose and imperial combination fine, coarse spray and solid stream nozzle and malleable foot rest. Price \$3.75, with 8 foot pipe extension, \$4.25.

LEVER BUCKET or BARREL SPRAY PUMP.—Similar to the Little Giant, but has lever handle and can be attached to barrel or used as bucket pump. Price \$4.75, with 8 foot extension pipe, \$5.25.

LIGHTNING SPRAYING PUMP.—A low priced serviceable bucket spraying pump that will give satisfactory results. It is made of heavy galvanized iron, furnished with nozzle for throwing either a stream or a spray, and is well made throughout. Each \$1.90.



LITTLE GIANT PUMP.

FAULTLESS INSECT SPRAYER.—An all brass hand sprayer. Will not rust. The best hand sprayer for applying liquids and insecticides to poultry houses and live stock. Also valuable for spraying grapevines, small trees and shrubbery. Made of heavy brass and very durable. Price by express, not prepaid, \$1.00.

BOWKER'S FOOD FOR FLOWERS.—A fertilizer made especially for plants grown in the house; clean, free from offensive odor and is largely soluble in water, producing healthy plants and early and abundant blossoms, to which it imparts a rich and brilliant color. A large box containing sufficient for 20 plants for one year, 25c, or postpaid 40c; small package 15c, postpaid 25c.

WALKER'S EXCELSIOR PLANT FOOD.—A soluble food for house plants containing all the elements necessary to nourish and make beautiful both flowers and plants. It makes brighter flowers and prolongs the period of blooming. Large box containing sufficient for 25 plants one year 25c, or postpaid 40c; small pkg. 15c, postpaid 25c.

JAPANESE PALM FOOD.—A chemically prepared fertilizer that will make healthy plants and beautiful foliage. Odorless, soluble and readily assimilated.

Endorsed by palm growers who have used it. Excellent for Palms, Ferns, Rubber Plants, etc. Price 25c, postpaid 45c.

WIRE PLANT STANDS.—For strength, beauty of design and superior finish, our stands are unequalled, if equaled. The No. 10, illustrated here, is a very popular style. Price only \$4.50, or without the arch for \$3.50. Other styles at low prices. Illustrated list free.

WIRE WINDOW SHELVES. These can be fastened to window frames either inside or outside. They are strong and attractive, 36 inches long, 6 or 7 inches wide. Each \$1.00.

WIRE BRACKET.—This new pattern is a very cheap, handsome bracket, made of tinned wire. Price, 4-inch, 10c each, \$1.00 per doz.; 5-inch, 12c each \$1.25 per doz.; 6-inch, 15c each, \$1.50 per doz.; postage 8c each extra.

TRELLISES.—Many patterns of wood and wire trellises. 15c to \$2.00 each.

CANE PLANT STAKES.—Destructible for plant supports. 20c per doz., \$1.00 per 100.



NO. 10 PLANT STAND.

FRUIT PACKAGES.

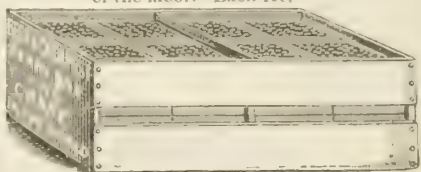
Bright smoothly cut stock which will make the fruit look nicer and sell better. Prices named here are subject to change. Ask for price list.

BERRY BOXES.—Made of the best white wood (poplar) heart stock, cut smoothly, and perfect shape; size $4\frac{1}{2} \times 4\frac{1}{2} \times 3\frac{1}{2}$, and will hold a wine measure quart. The bottom is set up for ventilation. They are usually put up in bundles of 500 boxes, complete for shipment, and are all ready for putting together which can be done very rapidly. We furnish 500 at the 1,000 rate; broken bundles at the 100 rate. Price per 100, 45c; 1,000, \$3.60. If a large lot is wanted ask for prices.

ANNEALED TACKS.—1 lb. makes 1,000 boxes. Per lb. 25c, 5 lbs. \$1.00.

MAGNETIC TACK HAMMER.—Picks up the tacks and saves much of the labor. Each 12c.

CRATES.—Made of thoroughly seasoned stock, well ventilated at sides and bottom, but with a tight cover to protect from dust. We always ship in the flat or "knock down." 16-qt. crates per 10 \$1.00, per 100 \$8.00; 24-qt. crates per 10 \$1.10, per 100 \$9.00.



CRATE NAILS.—Of barbed wire and far superior to any other. 12 1/2 lbs (will make 100 crates) for \$1.00.

CLIMAX GRAPE BASKET.—The best package for shipping grapes, cherries, plums, etc. They are nested for shipment with the covers and bent handles in separate packages. Price 10 for 50c, 25 for 90c, 10 for \$3.25. Ask for prices in large lots.

SMALL CLIMAX GRAPE BASKET.—For fancy grapes, etc. Holds about 4 lbs. 10 for 50c, 25 for 90c, 100 for \$3.00.



HALF-BUSHEL BASKET.—The best all around basket for the use of farmers, fruit growers and grocers that we know of. It is very strong and well made, and particularly adapted for picking fruit, potatoes, tomatoes and other vegetables. The swinging bale makes it easily handled. Price 15c each, \$1.65 per doz.

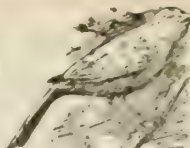
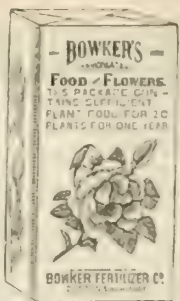
NO. 1—ONE-BUSHEL BASKET.—The ideal basket for general use. Thoroughly well made and meant for hard usage and should last many years. Each 25c, doz. \$2.70.

NO. 2—ONE-BUSHEL BASKET.—Like the No. 1, but cheaper made. One of the best packages for shipping apples and other kinds of fruit and vegetables. Each 15c, dozen \$1.50.

STAVE BASKET COVERS.—Made of slats for covering the baskets in shipping; make a secure cover. Price for one bushel size 50c per dozen, 1 1/4 bushel size 55c per dozen.

IRON MEASURES.—Made of heavy galvanized iron with side handles. Peck size, each 35c; half-bushel, each 45c; one-bushel, each 65c.

WOOD MEASURES.—Iron bound, to make them stronger. Half-peck each 20c; peck 25c.



Birds and Gold Fish.

We are sure that many of our customers will be interested in this department as the companionship of a bird has brightened the life of many a tired, overworked mother and the music of a good songster makes the whole house more cheerful. For many years we conducted the largest mail order business in this line in the world, but it has now been sold to the IOWA BIRD CO., of Des Moines, whose beautiful illustrated catalogue can be had free on application. We list a few of the most prominent items which can be ordered from us if desired and we guarantee prompt shipment and good stock. Prices are subject to change. Winter is the best time to ship birds and we ship them everywhere.

HARTZ MOUNTAIN CANARIES.—These are bred in Germany, high up among the Hartz Mountains, and are famous for their restful melody. Male birds \$3.00 each. Female Canaries—For breeding, \$1.00 each.

ST. ANDREASBERG ROLLER CANARIES.—These birds are without doubt the finest songsters in the world. Each \$5.00.

MOCKING BIRDS.—Each \$3.00. **RED BIRDS.**—Each \$2.50.

EUROPEAN GOLDFINCHES.—Each \$2.50.

PARROTS.—We guarantee each bird to learn to talk. Stock is changing constantly. Ask for price when ready to buy.

IMPROVED BRASS CAGES.—Thoroughly well made and decidedly better than painted cages for birds. Size $5\frac{1}{2} \times 8\frac{1}{2} \times 7$ 5c; 6×9 \$1.00; $6\frac{1}{2} \times 9\frac{1}{2}$ \$1.25; 7×10 \$1.50; $7\frac{1}{2} \times 10\frac{1}{2}$ \$2.10; $8\frac{1}{2} \times 11\frac{1}{2}$ \$2.50. Fancy styles and larger sizes \$2.00 to \$5.00 each.

SUPERIOR MIXED BIRD SEED.—This is a specialty with us and we sell tons of it. Per lb. 10c, 13 lbs. 25c, 13 lbs. \$1.00, 50 lbs. \$3.50, 100 lbs. \$6.75. Postage 10c per lb. extra.

GERMAN SUMMER RAPE.—Fed largely to trained canaries. Same price as above. **SICILY CANARY.**—Best reclaimed. Same price. **MAMMOTH RUSSIAN SUNFLOWER.**—Same price. **MIXED PARROT SEED.**—Best. Same price.

PREPARED MOCKING BIRD FOOD.—Best food on the market for all soft billed birds. Per large can 35c, postpaid 50c.

PAGE'S SONG RESTORER.—Successful in nearly every case of loss of voice from cold or moulting. Small cakes 5c each, dozen 50c, postpaid.

GOLD FISH.

The most elegant of all parlor adornments. We can furnish handsome medium size fish at 25c each, 5 for \$1.00. Small size 10c and 15c each. Fancy Japanese and other fish 50c to \$5.00 each. Ask for catalogue of Fancy Fish, Aquariums, Fish Globes, etc.

EGGS FOR HATCHING.

From choice farm raised thoroughbred poultry. We have a great many inquiries each year from our customers asking us if we could not supply them with fancy poultry and eggs from thoroughbred stock. We are able to offer eggs this season from high grade, farm raised, thoroughbred stock of a few of the leading varieties. They are superior egg laying strains. These strains have won many prizes at the leading poultry shows.

BARRED PLYMOUTH ROCKS.—The farmer's favorite. From large, well-marked stock. Price per setting of 13 eggs \$1.25.

WHITE PLYMOUTH ROCKS.—Great egg producers and very early to mature. Our stock is pure white. Price per setting of 13 eggs \$1.25.

WHITE WYANDOTTES.—This breed is coming into greater favor each year. They are great layers, mature early and are pure white. Price per setting of 13 eggs \$1.50.

BROWN LEGHORNS.

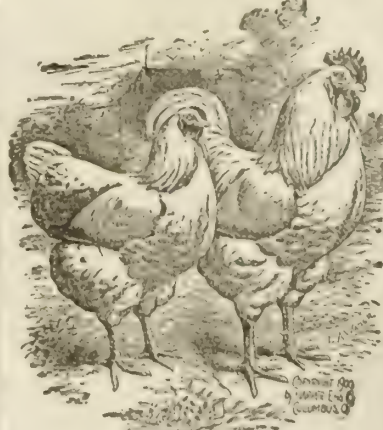
The greatest of all layers. Our stock is from one of the best laying strains in the country. Price per setting of 13 eggs \$1.25.

LIGHT BRAHMAS.

High scoring stock. Price per setting of 13 eggs \$1.25.

EGGS FOR INCUBATORS.—Write us for prices, stating the number of eggs you will want and breed. We will quote you our very lowest prices.

BREEDING STOCK.—A few choice cockerels and pullets at reasonable prices. Order early as our stock is limited. We send out only choice stock which will please our customers. Prices are delivered to express companies, purchaser to pay charges. Write for a more complete price list.



WHITE PLYMOUTH ROCK.

BRONZE TURKEYS.—Usually scarce, but we hope to have a good supply this season. Price per setting of nine eggs \$2.50.

Ask for our Illustrated Poultry Supply List. You will find that our stock and prices are both right.

NOTICE CAGE BIRDS AND FANCY GOLD FISH LISTED ABOVE

POULTRY SUPPLIES

We handle a complete line of poultry supplies of the best quality. Prices are subject to important market changes. We will be glad to name special figures on large lots. Transportation charges to be paid by purchaser except where noted.

MICA CRYSTAL GRIT.—This has proved to be the best on the market. It is hard, sharp, and, instead of grinding smooth like an ordinary stone, it breaks off in such a way that it stays sharp. It is unequaled for poultry, pigeons and turkeys. Price, 10 lbs. 25c, 25 lbs. 40c, 100 lbs. \$1.00; 500 lbs. or more @ 85c per 100 lbs.

MICA CRYSTAL CHICK GRIT.—A small grit made especially for young chicks. Everyone raising chickens should have a good supply. 10 lbs. 25c, 25 lbs. 40c, 100 lbs. \$1.00.

CRUSHED OYSTER SHELL.—This is a most important article for the poultry yard and should be supplied to the fowls liberally. Of superior quality. Your hens will keep healthier, lay better and eggs will be more fertile if supplied with it. Price 10 lbs. 25c, 25 lbs. 40c, 100 lbs. \$1.00; 500 lbs. or more @ 85c.

CRUSHED RAW BONE.—Really better than the shell, but it will pay to use both. Of the best quality, being made from fresh bones. 10 lbs. 50c, 25 lbs. \$1.00, 100 lbs. \$3.00.

FINE BONE MEAL.—Ground fine for feeding small chickens, also used as a lawn fertilizer. Price, 10 lbs. 45c, 25 lbs. 85c, 100 lbs. \$2.50.

GROUND BEEF SCRAPS.—Made from fresh beef, thoroughly cooked and dried. A most excellent food for young chicks or laying hens. 10 lbs. 50c, 25 lbs. \$1.00, 100 lbs. \$3.50.

CRUSHED CLAM SHELL.—Used very extensively by poultrymen, and being harder than oyster shell and not dissolving so readily, will serve as a grit, and at the same time contains a large amount of available lime necessary in egg production. Price, 100 lbs. 75c, 500 lbs. @ 65c.

PLYMOUTH ROCK CHICK FEED.—This feed has been prepared with the idea of supplying a perfectly balanced ration for young chicks. It has been demonstrated that young chicks do much better on our especially prepared feed than any moist or soft food that can be obtained. The feed is composed of various kinds of grains, grit, and other nutritive foods, making it the most complete and cleanest chick feed on the market. Price per 25-lb. bag 75c, 50 lbs. \$1.35, 100 lbs. \$2.50.

PLYMOUTH ROCK HEN FEED.—In the preparation of this feed we have had in mind the production of the best feed that could be made for laying hens and the keeping of all fowls in a strong, healthy condition. Price, 25 lbs. 65c, 100 lbs. \$1.75.

PLYMOUTH ROCK PIGEON FEED.—A complete feed for pigeons, containing everything necessary for their welfare. Price, 50 lbs. \$1.50, 100 lbs. \$2.50.

ALFALFA POULTRY FOOD.—A great egg maker, and the ideal bone muscle and health giver. Consists of green, kiln-dried alfalfa meal combined with meat scraps blood meal, bone meal and other ingredients scientifically mixed and blended together. A valuable food for chicks, laying hens and fattening poultry. Price 10 lbs. 40c, 25 lbs. 75c, 100 lbs. \$2.75.

ALFALFA CLOVER MEAL.—A mechanical preparation of alfalfa containing a large amount of digestible protein, especially adapted to be fed with a mash feed. Valuable as a winter feed. Price, 10 lbs. 35c, 25 lbs. 65c, 100 lbs. \$2.00.

PRATT'S POULTRY FOOD.—Will keep hens in good health and cure chicken cholera and other diseases of chickens and turkeys. It is a splendid egg food, endorsed by leading poultry raisers. It makes larger fowls, quickens the growth of young chicks, and sickly broods are never seen where it is used. Per 5 lb. pkg. 60c, 26 oz. pkg. 25c, postpaid 55c. Trial size 10c, postpaid, 19c.

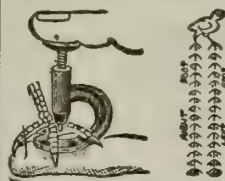
CONKEY'S ROUP CURE.—This is an excellent remedy that has been thoroughly tried and meets with a ready sale, as it has given excellent satisfaction. Per box 50c, by mail 55c.

LAMBERT'S DEATH TO LICE.—A cheap and effectual remedy for all kinds of poultry vermin, moths, lice on horses, cattle or plants, fleas on dogs, etc. Pkg. of about 1 lb. 25c, or by mail 40c. Trial size 10c, or postpaid, 20c.

SIRAGUE'S LICE AND INSECT KILLER.—Will absolutely destroy all lice, mites and insects where properly applied. Also an excellent disinfectant. This is a liquid put up in cans. Can be applied with a brush or insect sprayer. Price ½ gal. 60c, gal. \$1.00.

LEE'S LICE KILLER.—This is the result of several years experimenting with various insecticides, in search of a liquid that would eradicate lice, mites and chiggers, by applying to roost and nest boxes. It is now considered as the standard liquid lice killer. Per qt. 35c, ½ gal. 60c, gal. \$1.00.

FAULTLESS INSECT SPRAYER.—An all brass hand sprayer. Will not rust. The best sprayer for applying liquids to poultry houses and live stock. Price, \$1.00 by express.



PHILADELPHIA POULTRY MARKER.

PHILADELPHIA POULTRY MARKER.—This is a convenient little spring punch, as shown in the cut, for marking chickens by making a small hole in the web of the foot. In this way they can be easily identified or followed by their peculiar track. 25c each postpaid.

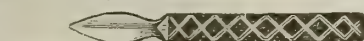


IOWA LEG BAND.—Made of soft pliable brass band which is far superior to any other material. The loop is bent up in such a shape that the strap part of the band is easily inserted and fastened and can be instantly adjusted to fit any bird from a pigeon to a turkey. Numbered with plain figures. Price 20c per doz., \$1.00 per 100 postpaid.



CLIMAX LEG BAND.—The "Stay on" kind. These bands have no sharp edges or exposed ends of wire to cut your fingers or injure the fowl, are very easy to put on. Six sizes. State breed of fowls you have and we will send suitable size. Dozen 25c, 25 for 40c, 50 for 75c, 100 for \$1.35 postpaid.

GLASS NEST EGGS.—5c each, 35c per doz., 4 dozen for \$1.00.



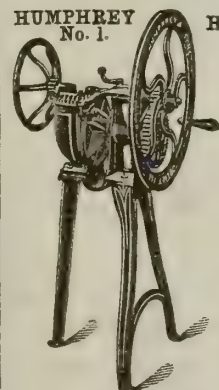
FRENCH POULTRY KILLING KNIFE.—Best and most humane method of killing all kinds of poultry. Each 40c, postpaid.

GAPE WORM EXTRACTOR.—Each 15c, 4 for 50c, postpaid.



SANITARY DETACHABLE FOUNTAIN.—Chicks can drink all around. Easily cleaned. Two quart 25c, doz. \$2.50, gal. 35c, doz. \$3.50, 2 gal. 50c, doz. \$5.00.

STONEWARE DRINKING FOUNTAIN.—To keep the water cool and clean and prevent the birds from getting wet. Price, 2 quart 25c, dozen \$2.50; gal. 35c, dozen \$3.50; 2 gallon 50c, dozen \$5.00. Very useful.



HUMPHREY'S GREEN BONE AND VEGETABLE CUTTER.—This is one of the leading bone cutters on the market. Be sure and investigate this mill before you purchase. The manufacturers' guarantee is given with each cutter sold. No. 1 cutter \$12.00; No. 2, semi-power, \$15.00.

WILSON'S BONE MILL No. 1.—This will grind either shell or dry bone and crack wheat or corn. The usual price is \$5.00, but we are now selling them at the reduced price of \$4.50.

Poultry Wire Netting

The best make; thoroughly galvanized to prevent rusting, and properly twisted. The following are the lowest possible prices at which these goods can be sold:

Made of No. 19 wire and 2-inch mesh; put up in rolls 150 feet in length. One inch mesh. No. 20 wire for young chicks and Belgian Hares.

Width Per Inch's Roll	Width Per Inch's Roll	Width Per Inch's Roll	Width Per Inch's Roll
12 --- \$.80	36 --- \$2.40	12 --- \$2.00	30 --- \$5.00
18 --- 1.20	48 --- 3.20	18 --- 3.00	36 --- 6.00
24 --- 1.60	60 --- 4.00	24 --- 4.00	
30 --- 2.00	72 --- 4.80	Other widths if desired.	

Will allow 5 per cent discount on lots of five rolls or more.

Cut rolls, any width, of two inch mesh, 1 cent per square foot.

Cut rolls, any width, of one inch mesh, 2½ cents per square foot.

GALVANIZED STAPLES.—For fastening wire poultry netting, 10 cents per pound.

CAPONIZING INSTRUMENTS.—Set \$2.50, prepaid.

TESTED THERMOMETER.—For incubators. Each 65c, postpaid.

CLIMAX BASKET.—Used largely for shipping fruit, but they are also desirable for shipping eggs for setting. Will hold two settings of Leghorns, etc., or one of Asiatics. Price per 10, 40c, 50 for \$1.75, 100 for \$3.25.

EYRIE EGG BOX.—Made of corrugated paper. Very strong, light and durable. Self-locking. No. 1 holds 15 eggs, per dozen \$1.25. No. 2 holds 30 eggs, per dozen \$1.90.

EYRIE SHIPPING COOP.—Best coop made for use in shipping fancy poultry. Write for descriptive list. No. 2, size 12x18x22, each 30c, dozen \$3.00. No. 4, size 20x22x22, each 40c, dozen \$4.30.

INCUBATORS AND BROODERS.

It is our aim to furnish our customers with the very best that can be obtained in every department of our business. After careful investigation we have found the Cyphers and the Hawkeye incubators and Brooders are both giving excellent satisfaction everywhere and they have also done extra well in our own tests.

CYPHERS INCUBATORS AND BROODERS.—We have handled the Cyphers incubators and brooders for the past three years and must say they have given the very best of satisfaction. They are self regulating, self-ventilating, require no supplied moisture, fire-proof and are sold under a strong guarantee by the manufacturers.

INCUBATORS.

No. 0—60 Egg Capacity	\$14.00
No. 1—120 " "	20.00
No. 2—220 " "	29.00
No. 3—360 " "	37.00

BROODER

No. A—Outdoor Brooder	12.00
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HAWKEYE INCUBATORS.—We are offering the Hawkeye incubators for the first time this season. After a thorough investigation we believe the Hawkeye is the best low priced incubator on the market. Have given it a test beside a high priced machine, and found the regulator to be as accurate, and with the same care we had equally as good a hatch. We are willing to send these machines out on thirty days trial, and if the machine does not do satisfactory work in the hands of the purchaser, if given a fair trial, will refund the purchase price when the machine is returned to us in good condition.

PRICES.

60 Egg Size	\$ 8.35
100 " "	12.00
240 " "	19.00

BROODERS.

The Hawkeye Brooders are well constructed hot air brooders and have given the best of satisfaction.

100 Chick Size	\$ 8.50
200 " "	10.50

PROPER TOOLS FOR DOING GARDEN WORK ARE ALWAYS A PROFITABLE INVESTMENT.

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PLEASE ASK YOUR FRIENDS TO ORDER WITH YOU.

READ the above index carefully and you will no doubt find items which you wish to include in your order.

MAJESTIC COLLECTION.

The most desirable collection of vegetable seeds which has been offered for years and one which all our customers should try. The five varieties of vegetables, illustrated in colors on back cover, one packet of each for only 35 cents.



Plant of Majestic Tomato grown by W. R. Long, of Williamsburg, Iowa.

Danish Giant Cauliflower.

For many years past Henderson's Snowball Cauliflower has been the most popular of all varieties, but now a new sort has become a strong competitor for the first place, and we believe the Danish Giant will soon stand first among the growers in this country. It originated in the same locality in Denmark which produced the Snowball. The heads are extra large in size, pure snow white and very solid. It also has larger leaves which help to protect the head. It is about ten days later than the Snowball, but has proven much more desirable for growing in the open ground and does well dry seasons when other varieties show failure, keeping plump and fresh during the hottest, driest weather. One grower whom we believe to be the largest grower of cauliflower in the country (his crop amounting to ninety acres), tested the Danish Giant last year and has placed his entire order for this variety for the coming season. He claims that he has tried all strains of cauliflower and will hereafter grow no other. Our seed is obtained direct from the best cauliflower growers in Denmark, the home of the cauliflower, and our customers will be especially pleased with it. Per pkt. of 100 seeds 15 cts., per oz. \$3.00.

Pharaoh's Dream Sweet Corn.

On our place this has proved to be the finest and most productive variety of sweet corn that we have ever seen. It is a new variety which we introduced two years ago, and has everywhere wonderfully pleased our customers. Ears are of large size, just right for table use, and of superior quality; pure white, tender and of delicate flavor, remaining a long time in edible condition. Stalks frequently produce from five to seven ears, and as these ears mature in succession it makes a constant supply for the table throughout the season, which is a very desirable feature for the home garden. See cut and more full description in novelties. Per pkt. 10c; 1/2 pt. 20c; qt. 60c, postpaid.

Scarlet Gem Radish.

An extremely early variety which has matured fit for the table in 17 to 20 days from the time of sowing the seed and is fully grown in less than four weeks. It is also one of the handsomest as well as the best early sorts that we know of, and we feel that it cannot be recommended too highly. It is of a perfect globe shape, and of a bright rich scarlet color, tipped with white, thus making it particularly handsome on the table. The Scarlet Gem has very few leaves, therefore is an excellent variety for forcing, and gardeners will find it "A No. 1" seller on the market. In quality it stands unsurpassed—tender, crisp and appetizing. We would advise everyone to try it, both for out-of-door and hotbed culture and satisfy yourselves that this novelty is all we claim for it. Per packet 5c, ounce 15c, 1/4 lb 40c, lb. \$1.25.

One packet each of the above Five Novelties for only 35 cents.

Climax Strawberry.

In offering this grand fruit novelty we are convinced that it is the most desirable variety for the family garden of any ever sent out. Everyone who has grown or seen it growing has only complimentary words for it. In a field of many acres, beside a host of other varieties, the Climax stood out in marked contrast by its vigorous healthy growth, deep green color, and productiveness. It is a seedling of Bubach, fertilized by Hoffman's Early, which combines the good qualities of both parents. It is a great plant maker, has three to six strong fruit stalks to each plant and the flowers are perfect so that it does not need to have any other variety planted with it. Berries are very large; of uniform good shape, ripens extremely early, fruit very firm and is consequently a good shipper. The *Rural New Yorker* says after seeing a crop of Climax—"There were shipped 6,300 quarts from less than a quarter of an acre or over 25,000 quarts per acre. Size larger than the average Bubach. I failed to find a single imperfect berry in the patch. Every one looks as if it came out of a mould. They were ripening at the same time as Michel's Early." The *American Gardening* says:—"The greatest strawberry I have ever seen. The yield is enormous. Fruit firm, good flavor and it is in fact all any one can desire." Strong well grown plants 50 cents per doz; \$2.25 per 100, charges prepaid.

A Last Word-- Well, what do you think? Is not this the most complete and practical catalogue that you have ever seen? Don't you believe that it will pay you to purchase your seeds, plants, nursery stock and other goods from us? Our long experience in growing and handling seeds and our unequalled facilities are at your service. Please give us at least a trial order this year.

Majestic Tomato.

Last spring we sent out about 175,000 packages of a new variety of Tomato which we had named "Majestic," and offered prizes on the largest tomato grown. We knew that this was a variety of exceptional merit, and were convinced that it was far superior in size and flavor to anything on the market, but were astonished at the reports received from our customers. Thousands of letters arrived in the fall speaking of it in the highest terms of praise. It is undoubtedly the largest fruited of any variety ever sent out, and the fruit is so solid that it weighs more than its size would indicate. Unlike many so-called large varieties which produce a few large fruit and a great multitude of small ones, this variety is almost uniformly large. The first fruit matured is somewhat rough, but later on they are smooth and of handsome shape; of a rosy red color, ripening evenly all over, way up to the stem. When cut it is rich coral red color, its core blending into delicate shell rose tints. Fruit is unusually solid, having very small seed cells which are few in number and near the surface. The flesh is tender, fine grained and rich, yet of mild delicate flavor, being of the sub-acid class. The skin is thin yet tough, and not liable to crack on the vines or in handling, making it a good shipping variety. Plant is of vigorous growth from start to finish, producing fruit here nearly as early as the small extra early sorts. It does well on any ordinary soil and the fruit is of such uniformly large size, fine color, and striking appearance as well as choice quality, that it is sure to be a "money maker" for the market gardener.

Our cut is from a photograph of a plant grown by W. R. Long, of Williamsburg, Ia., which produced 99 fruits. It has yielded at the rate of over 11,000 bushels per acre under ordinary conditions. We received many reports from customers in all parts of the country who had grown tomatoes weighing from 8 to 5 pounds each. The prizewinner however, weighed 5 1/2 pounds, and the largest yield of tomatoes from one plant was 147 pounds. This variety produces so few seeds that the seed will doubtless always be high in price. Last year it sold at 40 cts. per pkt. of 100 seeds. This year we have reduced the price to only 15 cents per pkt. of 100 seeds.

\$100.00 IN PRIZES Each person purchasing one packet or more of the Majestic Tomato seed of us this year may compete for the \$100.00 in cash prizes which we offer for the largest tomato grown. See full statement regarding prizes on another page.

Your Majestic Tomato will challenge any other variety for smoothness, richness of color and delicious flavor. I consider it the very best tomato in existence. I grew 137 1/2 pounds of fruit from one plant.—Arthur Nelson, Argyle, N. Y.

To say that I was much pleased with your Majestic Tomato but feebly expresses my admiration. They were of delicious quality and yielded immensely in spite of the drouth which ruined other varieties.—Mrs. L. B. Jones, Milledgeville, Ga.

The Majestic Tomato is the finest all-round tomato we ever grew. It is almost seedless, very solid and of good flavor and does not rot like other sorts. I had seven tomato novelties growing on my place, but the Majestic was the best of all.—A. C. Arnold, Pleasant City, Ohio.

Golden Nugget Tomato.

Another year has again proven this to be the most desirable yellow variety on the market. It is decidedly distinct from all other kinds. Of beautiful yellow color, round as a ball and about as large as a walnut; flavor exceptionally fine and it is very desirable as a dessert fruit for eating from the hand, and the plant is wonderfully productive. Per pkt. 10c, oz. 35c.



SCARLET GEM RADISH.

Economy in the Garden.

1905

These Offers are for You.

BARGAIN LIST.

EVERYONE likes to secure genuine bargains and our crops were so good the past season that the quotations made in our catalogue are comparatively low on most items. Since our catalogue went to press it has developed that on some items our crop was much larger than we expected and we have what appears to be a surplus. Instead of selling to other dealers we have decided to give our customers the benefit of **BARGAIN PRICES**. As is the usual rule when crops are abundant, quality is exceptionally good and the seeds offered in this list are all our own, high grade, pure, true to name, tested stock, which we are sure will prove satisfactory. The low prices which we make in our Bargain List have in the past induced thousands of new customers to try our seeds and everyone has been so much pleased with them that we believe they will become regular buyers, and we look for greatly increased orders this season, but we hope that each person will also order at least a few items from our catalogue, as of course there is no profit to us in selling seeds at these figures. These prices are for orders sent us before July 1, 1905. Better order early as stock of some items may be exhausted late in the season. See remarks to customers on first page of the accompanying catalogue.

WE HOPE that in ordering seeds at these special prices you will make order amount to at least 10c, as otherwise the order would be filled at a loss. Plant orders must amount to at least 25 cents.

POSITIVELY

No seeds sold at these prices except the varieties listed here. No discounts or premiums on orders at these bargain prices, as they are too low already.

The collections listed we keep ready and cannot be changed or divided.

VEGETABLE SEEDS.

We offer all of the following varieties by mail, postpaid at prices named.

	PKT.	OZ.	LB.
BEEF—Dewings	8	40	
Long Blood	2	40	
Lane's Imperial Sugar	2	40	
Golden Giant Mangel	2	40	
CABBAGE—Jersey Wakefield	3	15	1 50
Fottler's Improved Brunswick	2	10	1 00
All Seasons	3	15	1 50
CARROT—Long Orange	2	5	40
CAULIFLOWER—Early Erfurt	8	1 50	
CELERY—Rose ribbed (self bl'ch)	3	20	2 25
Golden Dwarf	2	10	1 00
COLLARDS	2	7	80
CRESS—Extra Curled	2	5	50
CUCUMBER—Chicago Pickle	3	12	1 40
ENDIVE—Giant Fringed	2	10	80
HERBS—Mixed Varieties	2	10	
KALE—Mosbach	2	7	90
LETTUCE—Black Seeded Simpson	2	7	60
Prizehead	2	7	65
California Cream Butter	2	3	90
LEEK—Large Rouen	3	10	1 00
MUSKMELON—Rocky Ford	3	7	60
WATERMELON—Triumph	3	7	65
Kob's Gem	2	5	45
Ten Varieties Mixed	2	5	50
MUSTARD—Southern Giant	3	7	60
ONION—Extra Early Red	2	8	80
Yellow Globe Danvers	2	7	85
PARSLEY—Champion Moss Curled	3	7	55
PARSNIP—Long Sugar	2	6	30
PEPPER—Large Bell	3	10	1 40
PUMPKIN—Calhoun	2	5	65
RADISH—Scarlet Turnip	2	5	40
Long Scarlet	2	5	50
White Strasburg	2	5	50
SPINACH—Long Standing	2	5	30
SQUASH—White Bush	2	7	60
Early Bush Crookneck	2	7	55
TOMATO—Acme	3	10	1 25
Trothy	3	15	1 60
TURNIP—Purple Top Globe	2	5	40
Snowball	2	5	50
RUTA BAGA—Monarch	2	5	40

HEAVY PACKAGES.

	PER PKT.	1/2 PT.	QT.
SWEET CORN—Early Minnesota	3	8	25
Crosby's	3	10	30
PEAS—Champion of England	3	10	30

FLOWER SEEDS.

Any of the following varieties postpaid at 2 cents per packet.

	PKT.	OZ.
Agrostemma	10	25
Ageratum, Blue	10	25
Alyssum, Sweet	10	25
Antirrhinum, mixed colors	15	25
Asperula	10	30
Asters, mixed varieties	30	1 00
Calendula	10	20
Calliopsis	10	20
Candytuft	10	20
Centaurea, Cyanus mixed	10	20
Celosia, Mixed varieties	25	85
Clarkia	10	25
Cypress Vine	10	25
Dianthus	15	50
Eschscholtzia	10	35
Gourds	10	15
Helichrysum	15	50
Hollyhock	25	75
Ice Plant	15	40
Larkspur	10	25
Marigold	10	30
Marvel of Peru	10	10
Mignonette, Sweet	10	10
Morning Glory, mixed colors	10	10
Nasturtium, Dwarf, mixed	15	15
Nasturtium, Tall, mixed	10	10
Nicotiana	10	25
Pansy, fine mixed	25	75
Petunia	15	50
Phlox	20	60
Poppy	10	20
Portulaca, Single, fine mixed	15	50
Ricinus, mixed	15	15
Sensitive Plant	15	50
Sweet Peas, fine mixed, per lb. 80c.	10	05
Sweet William	10	25
Sunflower, mixed varieties	10	10
Zinnias, mixed varieties	15	50
Mixed Flower Seed	10	25

Any of the above flower seeds at two cents per full sized packet.

Notice: These low prices apply only to varieties named above, of which we have a surplus and they are not for any other kinds listed in our catalogue.

THEY LIKE BARGAINS

I have planted your seeds for twelve years and find them reliable. Last year I raised a wagon load of Giant Pascal Celery from a two cent packet; my first trial to raise celery.—Mrs. A. G. Page, Eudora, Kansas.

I have purchased my seeds from you for the past four years and find them just as advertised. Your Bargain Seeds are appreciated as the packets are well filled with seed that never fails to grow.—Mrs. Carrie Berger, Washingtonville, Penn.

I sent an order for Bargain List Seeds last year and I cannot praise them enough.—Mrs. Mowett Cooper, Bullardville, Illinois.

We were very much pleased with your seeds. They are the best and cheapest we have ever used. Yours truly—Mrs. E. L. Hughes, Hampton, Mo.

I thought the Bargain List Seeds would be no good owing to their being so cheap, but glad to say they proved to be the best I ever used.—A. Kuy, Tigertown, Wisconsin.

ASTONISHING BULB AND PLANT BARGAINS.



A COMPLETE GARDEN LIKE THIS FOR \$1.00.

75 Summer Blooming Bulbs for \$1.00.

WE grow acres of bulbs and sell thousands of them to eastern dealers. In growing such quantities there are always some which do not attain full size, but they are thoroughly matured and will bloom about as well as the large bulbs, which would cost many times this price. These bulbs are all choice varieties and sure to grow and bloom soon after planting. All these bulbs can be grown in pots or window boxes if desired, but most of our customers will want them outdoors. The collection consists of—

- | | |
|--|--|
| 15 Showy Gladiolus, | 4 Elegant Iris, |
| 8 Deliciously Fragrant Tuberose, | 4 Cinnamon Vine, |
| 4 Gorgeous Cannas, | 30 Charming Oxalis for border, and 2 bulbs |
| 4 Delicately Beautiful Lily of the Valley, | each of Apios, Calla Lilies and Caladiums. |

TOTAL, 75 BULBS FOR \$1.00.

We hope to have a sufficient number of bulbs to supply the demand, but should it be unexpectedly large we reserve the right to substitute other varieties of equal value for those of which our stock may run out before the end of the season. **BETTER ORDER EARLY.**

Above collections are put up ready for mailing and cannot be changed or divided, will furnish **HALF SIZE COLLECTIONS** of 35 choice bulbs for 60 cents by mail postpaid to any address.

100 Plants for 100 Cents.

A Great Big Bed of Choice Flowers Only \$1.00.

The following **100 Plants and Bulbs** are sufficient to set out a large circular bed 6 to 8 feet in diameter, putting the Canna in the center and others around it in order named. Such a bed will make a grand showing throughout the entire season. Our selection of varieties—1 large flowered Canna, 12 choice Gladiolus, assorted; 5 nice Geraniums, all different; 10 brilliant leaved Coleus; 10 choice Verbenas; 12 Phlox Drummond, and 50 Sweet Alyssum. The latter being for border. Fifty thousand of our customers should take advantage of this offer. It is the best ever made by any seedsmen. Farmers are usually backward about buying flowers, but there is nothing your family will enjoy better than such a beautiful flower bed. In 15 minutes you can spade up a bed for them; it will add \$50.00 to the appearance of your place, as it is an assortment suitable for any residence on Fifth Avenue, New York City. Remember we prepay charges to your town.

LADIES If you desire one of these collections and cannot spare the money, we will send you 1 free if you secure orders for 5 other collections. In other words, we will furnish 6 collections for \$5.00, provided they are shipped together prepaid to one address.

FLOWER PLANTS.

We will furnish strong, well rooted plants of any of the following varieties at **5 cents each**. Most of these are desirable either for bedding or pots. We do not send named varieties nor label the plants at this price. Orders for plants from this list should amount to at least 25 cents.

- | | |
|--------------------------|--------------------------|
| Ageratum. | Geranium, sc'nt. 5 var. |
| Alyssum, 2 varieties. | German Ivy. |
| Artillery Plant. | Heliotrope, 3 varieties. |
| Begonias, 6 varieties. | Ice Plant. |
| Carnations, 6 varieties. | Mexican Primrose. |
| Calla Lilies. | Maurandia. |
| Chrysanthemums, 10 v. | Roses, 9 varieties. |
| Coccoloba. | Salvias, 3 varieties. |
| Coleus, 12 varieties. | Saxafraga. |
| Cuphea. | Sedum, 8 varieties. |
| Double Petunias, 6 va. | Smilax. |
| Feverfew. | Solanum Vine. |
| Fuchsias, 10 varieties. | Verbena, 6 varieties. |
| Geranium, double, 12 v. | Vinca. |
| Geranium, single, 12 v. | Violets. |
| Geranium, fancy lf. 4 v. | Wandering Jew, 3 var. |

Your choice of 5 or more of above plants at **5 cents each; 100 for \$4.00, charges prepaid.**

about 15,000 small bulbs at a low price and they seem everywhere. We offer these bulbs as long as they last at 17c per doz., \$1.00 per 100, postpaid.

ELEGANT GLADIOLUS.

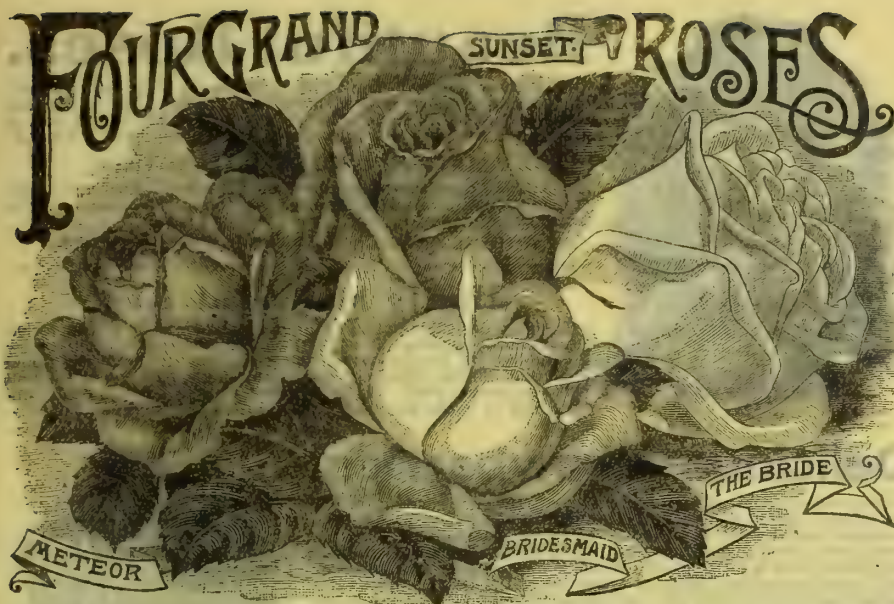
The improved varieties of Gladiolus may well be considered the most magnificent of all bulbous flowers. We grow hundreds of thousands of the bulbs, and this year many of the bulbs did not attain full size, but they will produce as large and handsome flowers as large sized bulbs, for the bulbs are perfectly matured and sound. The choicest varieties seemed to produce the smallest bulbs this year and we have thrown many of them into this mixture at the heretofore unheard of price of 15c per dozen, 75c per 100, postpaid.

TUBEROSES.

For beauty of shape, purity of color and exquisite fragrance no flower surpasses the Tuberose. It is not surprising therefore that they are such general favorites. Last year we sent out to have given satisfaction everywhere.



GLADIOLUS.



BRIDE—One of the finest white roses ever offered. Buds very large, of exquisite form and the full flower very double, measuring from $3\frac{1}{2}$ to 4 inches in diameter. Each 10c.

BRIDESMAID—An exquisite, bright, clear pink, a lovely shade; flowers very large and perfectly double. The buds are large and solid, with long, stiff stems and handsome foliage. Each 10c.

METEOR—Perfect shaped, large double flowers on nice, long stems. The color is rich velvety crimson, exceedingly bright and attractive. Very free flowering. Each 10c.

SUNSET—This exquisite orange yellow variety, shaded ruddy copper color, "a sunset glow," is one of the finest Tea Roses grown. The flowers are large, double and fragrant. Each 15c.

THE ABOVE FOUR GRAND ROSES, WORTH 45 CENTS, FOR ONLY 30 CENTS POSTPAID.

❖ Bargain Collections. ❖

Only 25 Cents Each, Postpaid.

THIS IS THE 35th ANNIVERSARY of our start in the seed business and we are resolved to have the largest trade that we have ever had. It is our **BARGAIN YEAR**, and we are almost giving away these collections to secure trial orders, especially from new customers. Our selection of varieties, but all different and all first-class. Tell your friends about them.

No. 1—Consists of 15 full-sized packets of Vegetable seeds, including Lettuce, Radish, Onion, Tomato, Cabbage and a good assortment for the family garden.

No. 2—Consists of 15 full-sized packets of Choice Flower seeds, all pure fresh tested seeds, sure to grow and bloom this season, includes Asters (25 varieties), Phlox (12 varieties), Pansy (40 varieties), Dianthus Pinks, etc.

No. 3—This collection contains one packet each of eight Floral novelties. This is a desirable collection.

No. 4—Sweet Pea Collection, 12 named varieties, 1 full-sized packet of each, including some of the best.

No. 5—Pansy Collection, one packet each of eight varieties of Pansies, all choice sorts.

No. 6—Aster Collection, one packet each of eight varieties of Asters, including mixtures making fully 150 sorts.

No. 7—Consists of one hundred Shamrock Oxalis bulbs, fine for borders or edging beds.

No. 8—Everybody likes Pansies and this collection of 12 Choice Pansy Plants is sure to please all.

No. 10—Fifteen nice large Asparagus roots. Will make a nice family garden bed.

No. 11—No garden is complete without a few Herbs and this collection of six hardy Perennial Herb and Mint plants is just what is needed.

No. 12—Roses will always be popular and this collection of six Choice Tea Roses will please you.

No. 13—Consists of one plant each of four varieties of Rambler Roses.

No. 14—Consists of one plant each of four kinds of Memorial Roses, hardy and large.

No. 16—Four Hardy Everblooming Roses, all different.

No. 17—Aquatic Collection, contains six plants, suitable for growing in aquarium or pond.

No. 18—Shrub Collection—four varieties of Hardy Ornamental Shrubs.

No. 19—Four choice vines, hardy and good.

No. 20—Hardy Perennial Plants are becoming more popular and this collection of six nice varieties will doubtless be in great demand.

No. 21—Fifteen Strawberry Plants, just the thing for the family garden and wonderfully cheap.

No. 22—Begonias, six choice plants, all different.

No. 23—Six choice fragrant Carnations.

No. 24—Four grand Cannas, the most showy of bedding plants.

No. 25—Six splendid varieties of fall blooming Chrysanthemums.

No. 26—Six choice Lantanas.

No. 27—Six Chinese Lantern Plants.



Any of above Collections 25 cents each, 5 for \$1.00, 11 for \$2.00, or the entire 25 Collections for \$4.00 prepaid.

**THIS COUPON
IS VALUABLE**

Read other side and be sure to cut it off and send with your order in 1905.

**IOWA SEED CO.,
DES MOINES, IOWA.**



Beautiful Roses.

Plant roses this year, plant lots of them, revel in their beauty, enjoy their fragrance, grow plenty for your own use and for giving to your friends. There is no other flower that will afford you so much pleasure if properly grown. As a trial order we offer you our

AMATEUR'S ROSE COLLECTION,

consisting of one Crimson Rambler, one Memorial Rose and eight other choice varieties, all different, for 60 cents. The cheapest good collection ever offered.

A TOTAL OF 10 CHOICE ROSES FOR 50 CENTS.

Hardy Memorial Rose

The most desirable and appropriate plant for use in cemeteries. It is as hardy as grass and will grow in sun or shade. Creeps on the ground like ivy, has dark green leaves and almost numberless flowers. Can furnish either single white, single pale yellow, double white or double pink. Price, 3 for 25 cents; 6 for 40 cents; one dozen for 65 cents, postpaid. Two-year-old plants. Each 20c.

Delicious Strawberries.

Everybody likes strawberries and they are the most easily grown of any kind of fruit as well as the most healthful and delicious. There is no doubt that the Senator Dunlap is one of the choicest sorts for family use as well as for marketing, and in our catalogue you will find the plants listed at \$1.75 per 100. We have recently, however, succeeded in purchasing a very large lot from one of the best growers, at a bargain and we therefore offer the plants at about half our catalogue price, 25 plants for 40c, 50 for 60c, or only \$1.10 per 100, 200 for \$2.00 delivered, charges prepaid to your town, and we guarantee them to arrive in first-class condition.



Hardy Shrubs

For permanent improvements on the home place nothing compares with these. They keep growing larger and more beautiful and valuable each year. We now have a surplus of small shrubs and offer one strong plant each of Hydrangea P. G., Weigelia, Deutzia, Spiraea and Hall's Honeysuckle, 5 for 95c.



International Mixed Pansy.

In almost every country in the world there are pansy specialists, notably those of Scotland, Belgium, France, Germany and Switzerland. Each have their idea of perfection. This mixture consists of a grand assortment from the world's leading growers. Here will be found the beautiful German pansies, with their rich, soft, velvety colors; lovely striped and mottled pansies from Belgium, which contrast so strangely with all others; the face pansies of England, in which one can almost see the human face because of their peculiar spottings; the self colors of Switzerland are very attractive, because of their pure coloring; the fancy show pansies of Scotland, of bright contrasting colors and rare spotting, flaking, feathering and edging; the mammoth pansies of France, which have been grown to the enormous size of four inches in diameter, and are decidedly showy; and also the many choice American strains, which are mainly made up by selecting and crossing the foreign sorts. If you like pansies you must have the International Mixture. We sell the seed at 20 cts. per packet, of about 100 seeds and this is really a low price for it, but for a still better offer see below.

FREE SEED FOR ALL FREE

We want at least a small order from everyone who receives this Catalogue and are sure that a trial will convince you of the superior quality of our seeds and plants. We will therefore send free one full sized packet of our **INTERNATIONAL MIXED PANSY** described above, to everyone sending an order this year amounting to 25 cents or more, and sending the coupon below with their order. If preferred we will send a full sized packet of the **MARKET GARDENERS BEET**, the best of all beets both for early and winter use, instead.

COUPON

(CUT OFF THIS COUPON AND SEND WITH YOUR ORDER.)

This Coupon is Good for One Packet of **International Mixed Pansy**,

If sent with an order for seeds, plants or other goods during 1905. If purchaser prefers we will send a packet of the **MARKET GARDENERS BEET**, instead.

 PLEASE USE THIS SHEET FOR YOUR ORDER.

Filled by	Checked by	File
Date Shipped	Shipped by	

Please leave above spaces blank

ORDER SHEET FOR

Choice Iowa Seeds

BULBS, PLANTS, SEED POTATOES, ETC.,

From the **IOWA SEED COMPANY,**

613-615 Locust Street, DES MOINES, IOWA.

(Warehouse—208-210-212 S. Eighth St. Greenhouses—Thirtieth and Kingman.)

☞ Please write your name and address distinctly and in full with each order. Old customers who have moved since last season will please state their former address also. Read "Suggestions to Customers" on first page of Catalogue. Extra order sheets and return envelopes on application.

NAME

WRITE PLAINLY.

POST OFFICE

COUNTY

STATE

EXPRESS OFFICE (if different from P. O.)

Please Ship by

WE PREPAY THE POSTAGE on all seeds, plants and bulbs, except where noted. Field seeds, potatoes and other goods, except where noted, we ship by freight or express, purchaser paying charges.

Amount enclosed,

\$.....

Notice—Our terms are cash with order, which may be sent by draft, money order or registered letter. Postage stamps may be sent if more convenient. Shipping C. O. D. adds an unnecessary expense

Date 190.....

QUANTITY or
NUMBER

NAME OF SEEDS OR OTHER ARTICLES WANTED

PRICE

Dollars	Cents
---------	-------

PREMIUM Notice in catalogue the premiums we give on orders amounting to \$1.00 or more for seeds or plants.

Amount carried forward,

[illegible]

✂ All orders for potatoes, plants and other perishable goods are carefully booked on receipt and filled in rotation as soon as weather permits. If shipped early they are at buyer's risk.

IS YOUR ORDER COMPLETE? Before mailing this please look over each department of our Catalogue and you will doubtless find many items that are just what you want.

QUESTIONS Should you desire to ask any questions, kindly write them on a separate sheet of paper enclosed in same letter, so as to not delay the filling of this order.

EVERYBODY LIKES TOMATOES and our new Majestic Tomato surpasses all others in size, flavor and productiveness. Don't fail to try it.

The space below is for remarks about your order. Also please write here the addresses of market gardeners and others who buy seeds and to whom you think our Catalogue would be acceptable, and we will remember the favor in filling your order.

PLEASE USE THIS SHEET FOR PLANT ORDERS.

filled by	Checked by	file
Date Shipped	Shipped by	

ORDER SHEET FOR PLANTS, BULBS,

and NURSERY STOCK,

From the **IOWA SEED COMPANY,**
613-615 Locust Street, DES MOINES, IOWA.

(Warehouse—208-210-212 S. Eighth St. Greenhouses—Thirtieth and Kingman.)

Please leave above spaces blank.

 Please write your name and address distinctly and in full with each order. Old customers who have moved since last season will please state their former address also. Read "Suggestions to Customers" on first page of Catalogue. Extra order sheets and return envelopes on application.

NAME Write Plainly.

POST OFFICE.....

COUNTY.....

STATE _____

EXPRESS OFFICE (if different) _____

Please Ship by

WE PREPAY THE POSTAGE on plants, bulbs and nursery stock, except where noted. Remember this in comparing our prices with others.

Amount enclosed,

\$.....

Notice.—Our terms are cash with order, which may be sent by draft, money order or registered letter. Postage stamps may be sent if more convenient. Shipping C. O. D. adds an unnecessary expense.

Date 190.....

[illegible]

Amount carried forward,

THE FARM JOURNAL
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